Davidson County Community College
Transportation Technology Technical Standard

Criteria	Standard	Example
Critical thinking/problem solving	Ability to raise important questions, analyze problems and develop solutions, demonstrate the ability to reason and understand the consequences of ones actions.	Apply information, evaluate the meaning of observed system operation and engage in critical thinking in the classroom and lab setting. Apply broad class concepts to unique customer situations. Able to analyze and diagnose automotive system malfunctions and repair or replace defective components. Distinguish between operating characteristics of two-stroke and four-stroke engines. Make decisions based on industry supported training materials
Communication	Appropriate interpersonal interaction with other students, faculty, staff, customers, and other technicians. Communicate and comprehend oral and written information pertaining vehicle mechanics.	Establish and maintain a professional relationship with customers and coworkers Explain services and repair needs, document technicians' actions. Convey information in a clear, professional and timely manner. Listen and respond to others in an accepting and respectful manner. Interpret and use written information in common job formats, such as tables, charts, and reference materials and manuals.
Motor Skills	Sufficient motor function to execute movements required to repair and service modern Auto/Heavy Equipment vehicles.	Participate during automotive and engine repairs and service Participate fully during live project and lab setting including extended periods of standing, lifting heavy equipment and being able to work on a vehicle from underneath and from above the vehicle. Operate necessary tools, equipment, and machinery. Able to inspect engine parts. Remove and replace failed components. Position and maneuver in confined vehicle interior and engine compartment to do repairs.

Professional Conduct	Function effectively and efficiently during demanding workload periods.

Assess implications of cultural and religious diversity for classroom and workplace relationships.

Demonstrate attitudes conducive to workplace success.

Incorporate professional standards of practice into all activities.

Demonstrate integrity and accountability during field work and academic setting.

Present self in a professional manner during field projects and academic settings.

Utilize computers correctly, effectively and professionally to acquire information and to communicate with others. | Maintain an understanding and effective relationships with customers, colleagues, faculty, staff and other industry professionals.

Work effectively with a team in an academic or live project setting.

Refrain from using improper grammar, profane or inappropriate communications.

Devises solutions to problems arising from gender, cultural, racial, and religious diversity.

Complete all assignments in a timely manner.

Respond appropriately to constructive feedback provided by fellow students, faculty, staff, and customers.

Assesses the potential impact of an individual's work ethic on an organizational system.

Wear appropriate clothing that is not distracting or offensive when in the learning environment.

Modifies behavior to increase productivity in the classroom, laboratory and workplace.

Utilize the internet to collect current information from appropriate resources to use during installation, service, and repair of transportation systems. |
| Sensory | Hearing sufficient to assess equipment needs.

Vision sufficient for assessment necessary to service, repair and maintain transportation equipment. | Hear unusual equipment noise to diagnose improper or damaged parts.

To participate in meetings, interact with employees and receive direction.

Vision is sufficient to perform data analysis, data entry, report preparation and usage of appropriate technology to prepare a service work order based on customer input, vehicle information and service history.

Have the ability to inspect engine parts and evaluate components for wear. |