

Technical Standards for (Race Car Technology)

Our program technical standards have been developed to help students understand nonacademic standards, skills, and performance requirements expected of a student in order to complete this particular curriculum.

If an accommodation is necessary to participate in the program, it is imperative to identify reasonable accommodations to those students who qualify under the Americans with Disabilities Act (ADA). Reasonableness is determined by the Accessibility Resources Counselors and the program on a case-by-case basis utilizing the program technical standards. The accommodation needs to be in place prior to the start of the program, or it may delay your ability to start the program. It is the student's responsibility to contact Accessibility Resources and request accommodations.

Skills	Description	Specific Examples
Motor Skills	<p>Be able to push, pull or lift 50lbs</p> <p>Able to perform repetitive physical movement</p> <p>Ability to with hands above head for extended period of time</p> <p>Duties may include working standing, stooping, reaching, and bending</p>	<p>Wheel, tires, engine components</p> <p>Operative lifts and jacks, start nuts and bolts, use common hand tools</p> <p>Lift power tools and materials.</p> <p>Reach above shoulder and below waist, and move within a confined space</p>
Vision	<p>Have sufficient visual capacity to access printed and electronic documents. Be able to clearly distinguish all primary colors.</p>	<p>Identify objects at close and distant range and use peripheral vision. Reading schematics, other service</p>

Skills	Description	Specific Examples
		documents, as well as multi-meters and testers
Hearing	<p>Ability to respond to hazards and alerts by touch or sound</p> <p>Ability to detect shop safety hazards</p>	<p>Fire alarms, carbon alarm and E-stops</p> <p>Vehicle operating or engine running in the shop area</p>
Technological	<p>Able to operate basic computerized word processing</p> <p>Able to look up online technical information</p>	<p>Word, Excel, and Power Point</p> <p>Vehicle service information</p>
Communication	<p>Ability to follow verbal and written instructions</p> <p>Demonstrate the ability professionally interact with vehicle owner and employer</p> <p>Ability to use correct technical terminology</p> <p>Read and write English</p>	<p>Ability to follow technical instruction found in on-line service information</p> <p>Ability to explain vehicle concerns to vehicle owner</p> <p>Complete service work order using correct verbiage</p> <p>Complete exams and ability to communicate verbally or written to peers and customers</p>
Critical Thinking/ Problem Solving	Ability to analyze vehicle electrical, mechanical, and hydraulic concerns	Diagnosis and repair faulty electrical system, diagnosis and repair engine noises using problem solving skills

Skills	Description	Specific Examples
	Mathematical skills thru algebra	Determine proper electrical wiring and fuses required to operate automotive electrical circuits Diagnose automotive brake and hydraulic systems Unit conversions and measurements
Interpersonal Skills	Work well with peers and small groups Able to accept constructive criticism	Being respectful of individuals from a diverse background Accept advice from peers, instructor, mentor, and employer
Environmental Tolerance	Ability to work long shifts standing Ability to get hand and clothes dirty Ability to tolerant smells Ability to work in extreme environmental conditions	10 hour or more shifts Rubber, gasoline, and lubricants Heat and cold
Other	Complete High School Apply to Forsyth Tech Meet with program advisor Maintain 2.0 GPA	Diploma or GED Complete online application Attend a Student Orientation Advising Registration (SOAR) session, before signing up for classes.

Skills	Description	Specific Examples
	Purchase school uniform shirt	GPA of 2.0 is required for graduation of RCT program
Shop Safety	Pass shop safety exam Wear PPE (personal protective equipment)	S/P (Safety and safety pollution) exam Safety glasses, face shield and hearing protection

This document is intended to serve as a guide regarding the physical, emotional, intellectual and psychosocial expectations placed on a student. This document cannot include every conceivable action, task, ability or behavior that may be expected of a student. Meeting these technical standards does not guarantee employment in this field upon graduation. Ability to meet the program's technical standards does not guarantee a student's eligibility for any licensure, certification exam, or successful completion of the degree program.