State Fair Community College

Essential Qualifications for the Automotive Technology Program

The following technical standards address many of the physical, cognitive, communication, and professional abilities essential to this program. Students should meet these technical standards in order to be successful in the program (and future career opportunities). Students with documented disabilities who wish to request reasonable accommodations under the American with Disabilities Act must follow the college's procedure for requesting accommodations. The college reserves the right to reject requests for accommodations that would fundamentally alter the nature of an educational program, lower the academic standards, cause an undue hardship on the college, or endanger the health or safety of a student with a disability, other students, clinic patients, or any other member of the college community.

The essential skills and abilities for these programs are categorized in the following Technical Standards:

Cognitive

With or without reasonable accommodations, a candidate for this program must be able to quickly read and comprehend a variety of written materials, including but not limited to correspondence, repair manuals, work orders, instructions, safety guides, and reports from manufacturers describing recalls and faults of specific models of automobiles. Candidates must also be able to recall, evaluate, and apply information and engage in critical thinking, both in the classroom and in the shop environment. Candidates must also be capable of interpreting diagnostic information, symbols, and schematic diagrams, and integrating information from a variety of sources. In addition, candidates must be able to accurately complete math functions such as addition, subtraction, division, multiplication, fractions, basic algebraic equations, and the manipulation of numerals in terms of decimal placement, conversion and expression.

Communication

With or without reasonable accommodations, a candidate for this program must be able to effectively use word processing programs. Candidates must also be able to express information coherently, and draft various forms of correspondence, ranging from brief notes on work orders to lengthy reports for investigations regarding automobile accidents. Candidates must be capable of effectively and professionally communicating and interacting with co-workers, suppliers, and customers to gather and convey information.

Physical and Sensory Requirements

With or without reasonable accommodations, a candidate for this program must be able to demonstrate good manual dexterity and mobility, accurate color vision, and excellent hand-eye coordination. Candidates must be able to consistently and regularly lift at least sixty (60) pounds from the floor, and thirty (30) pounds overhead. Candidates must able be able to spatially discriminate through vision, and determine size/magnitude through touch and sight. Candidates must have sufficient motor skills to operate necessary tools and equipment properly.

Technological

With or without reasonable accommodations, a candidate for this program must be able to access and complete online assessments and gather necessary information online, such as technical service bulletins and recall notices. Candidates should be able to effectively utilize databases for activities such as reviewing past service information or to complete work orders, and use computer applications and computerized machinery such as diagnostic scanners and wheel alignment machines.

Professional

With or without reasonable accommodations, a candidate for this program must be able to work independently with limited supervision, and work cooperatively with co-workers. Candidates must complete responsibilities in a timely manner, and exercise good judgment.