



Essential Qualifications for the Engineering Design Technology Program

The following technical standards address the physical, cognitive, communication and behavioral abilities essential to this program. Students must meet these technical standards in order to be successful in the program (and in 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, comprehend and write a variety of written materials including technical manuals and blueprints. Candidates must be able to recall, evaluate, and apply information and engage in critical thinking. Candidates must also be able to accurately complete math functions such as addition, subtraction, division, multiplication, fractions, ratios, and basic algebraic equations.

Physical/Sensory

With or without reasonable accommodations, a candidate for this program must be able to demonstrate good manual dexterity and mobility, and excellent hand-eye coordination. Candidates must be capable of spatial discrimination through vision, must be able to demonstrate accurate color vision, and must be able to visualize 2D and 3D geometric shapes and their rotations.

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.