



## **Essential Qualifications for Admission into the Construction Technology Program**

The following essential qualifications address the physical, cognitive, attitudinal and behavioral abilities essential to this program. Students must meet these essential qualifications in order to be admitted and retained in the program. Students are required to review the standards and to sign a form certifying that they have read, understand, and are able to meet the standards, with or without reasonable accommodations. 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:

### **Sensory/Observational Skills**

With or without reasonable accommodations, a candidate for this program must have sufficient sensory skills in order to assess the quality of heavy construction work to perform proper constructing, installing, and finishing work. Candidates should be able to determine readings on devices such as tape measures, framing and adjustable squares, and builders' levels and transits and select proper tools and materials for specific purposes. Candidates must be capable of distance and spatial discrimination through vision, and must be able to visualize two- and three-dimensional objects.

### **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 reports, correspondence and interpret and extract information from symbols, legends, and other information on construction drawings and/or computer generated drawings. 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 and geometric equations, take accurate measurements, perform conversions, and estimate materials and labor needed for a project.

### **Motor Skills**

With or without reasonable accommodations, a candidate for this program must have sufficient motor skills and possess sufficient physical strength, stamina, flexibility, and dexterity to perform various construction work, to operate tools and equipment properly, to perform physical labor for prolonged periods, to work at varying heights and to lift and transport equipment and materials as necessary.



## **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.

## **Environmental Tolerance**

With or without reasonable accommodations, a candidate for this program must have sufficient environmental tolerance in order to function safely in a construction environment, which may include extreme noise, sharp tools and materials, electrical equipment, chemicals and toxins, dust, heat, and fumes, machinery with moving parts, moving objects and vehicles, slippery or uneven surfaces, variations in lighting and extreme outdoor or indoor temperatures.