

# 2020-2021 TTC Catalog

## Machining and CNC Fundamentals

### Certificate in Applied Science

#### 30 Credit Hours

This program introduces students to workplace safety, blueprint reading, precision measuring, basic conventional machining and CNC operations including set-up and programming. Students are prepared for entry-level employment in the metal- working industry.

#### Major Requirements

EGT 106 Print Reading and Sketching 3

IET 223 Industrial Safety 3

MTT 111 Machine Tool Theory and Practice I 5

MTT 112 Machine Tool Theory and Practice II 5

MTT 143 Precision Measurements 2

MTT 145 Machining of Metals 3

MTT 250 Principles of CNC 3

MTT 251 CNC Operations 3

MTT 253 CNC Programming and Operations 3

Total: 30

#### Admission Requirements

Admission into this program requires qualifying scores on SAT, ACT or the TTC placement test. High school graduation is not required if you are at least 18 years old.