

# 2023-2024 TTC Catalog

## Advanced Automation - Mechatronics

### Certificate in Applied Science

#### 32 Credit Hours

This certificate provides the training necessary to prepare students for positions as automation technicians, mechatronics technicians or robotics technicians in an advanced manufacturing environment.

#### Major Requirements

AMT 105 Robotics and Automated Control I 3

AMT 205 Robotics and Automated Control II 3

EEM 151 Motor Controls I 4

EEM 221 DC AC Drives 3

EEM 251 Programmable Controllers 3

EET 113 Electrical Circuits I 4

EET 212 Industrial Robotics 3

EIT 110 Principles of Instrumentation 3

EIT 244 Computers and PLCs in Instrumentation 3

IMT 161 Mechanical Power Applications 4

Total: 32

#### Admission Requirements

Admission into this program requires proof of high school graduation (or GED) and qualifying scores on SAT, ACT or the TTC placement test.