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.