

2020-2021 TTC Catalog

Electrician - Industrial

Certificate in Applied Science

27 Credit Hours

The Electrician: Industrial certificate program prepares you for employment as an industrial maintenance electrician. Emphasis is placed on electrical/electronic theory and industrial electrical equipment such as motors, transformers, motor control systems, drive systems and programmable controllers. Special emphasis is placed on developing troubleshooting skills.

Major Requirements

EEM 113 DC Circuits I 2
EEM 114 DC Circuits II 2
EEM 119 AC Circuits I 2
EEM 120 AC Circuits II 2
EEM 138 National Electrical Code I 2
EEM 139 National Electrical Code II 2
EEM 151 Motor Controls I 4
EEM 167 Commercial-Industrial Wiring I 2
EEM 168 Commercial-Industrial Wiring II 2
EEM 218 AC DC Machines with Electrical Codes I 2
EEM 219 AC DC Machines with Electrical Codes II 2
EEM 221 DC AC Drives 3

Total: 27 Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.