

# 2019-2020 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.