ELECTRONIC CONTROL SYSTEMS TECHNOLOGY (CONT'D)

ELECTRONIC POWER CERTIFICATE
Program Code: E.ELP.CER

Certificate
Graduation requirement — 31 semester hours

The electrical power certificate prepares students for entry-level positions in the installation, service, and repair of the electrical systems used in manufacturing and industrial control.

Program Notes

- MFX substitutions are accepted for MFT 113.
  - • MFT 113 = MFX 130 + MFX 131 + MFX 150 + MFX 151
- WLX substitutions are accepted for WLD 111.
  - WLD 111 = WLX 112 + WLX 113 + WLX 114 + WLX 115

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CTC 132	ELT 134
CTC 193	ELT 231
ELT 131	WLD 111
ELT 150	EST 113
ELT 179	MFT 117
MFT 113	MAT 131

Required Program Courses (28 hours)   Cr. Hrs.

CTC 132	Computer Basics	1
CTC 193	Windows	1
ELT 131	Residential Wiring	3
ELT 134	Motors, Controls, and Drives	3
ELT 150	Introduction to Electricity and Electronics	3
ELT 179	Industrial Control Devices	3
ELT 231	Programmable Controllers	3
WLD 111	Introduction to Welding	4
EST 113	Work Experience and Ethics	1
MFT 113	Introduction to Hydraulics and Pneumatics	3
MFT 117	Pumps, Compressors, and Vacuum Systems	3

Required General Education Courses (3 hours)

MAT 131	Applied Mathematics	3

Total Semester Credit Hours   *31*