ELECTRONIC CONTROL SYSTEMS TECHNOLOGY (CONT'D)

30

ELECTRONIC CONTROLS CERTIFICATE

Program Code: E.ECS.CER

Certificate

Graduation requirement — 30 semester hours

This program prepares students for entry-level positions in the installation, service, and repair of electrical and electronic systems used in manufacturing, automation, and process control. Students can expect to find employment as installers, technicians, and electrical support staff.

Suggested Full-time Sequence

FALL	SPRING	FALL
1st Semester	2nd Semester	3rd Semester
ELT 111	ELT 134	ELT 292
ELT 131	ELT 231	
ELT 150	ELT 293	
ELT 179	MAT 131	
MFT 113	EST 113	

Required I	Program Courses (27 hours) Cr. Hrs.
ELT 111	Computer Applications for Technicians 2
ELT 131	Residential Wiring3
ELT 134	Motors, Controls, and Drives3
ELT 150	Introduction to Electricity and Electronics3
ELT 179	Industrial Control Devices3
ELT 231	Programmable Controllers
ELT 292	Process Control3
ELT 293	Industrial Control Networks
MFT 113	Introduction to Hydraulics and Pneumatics3
EST 113	Work Experience and Ethics

Required General Education Courses (3 hours)

3	MAT 131
2	MAT 121
	IVIAT 131

Total Semester Credit Hours

ELECTRONIC POWER CERTIFICATE

Program Code: E.ELP.CER

Certificate

Graduation requirement — 31 semester hours

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

Suggested Full-time Sequence

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

Required F	Program Courses (28 hours) Cr. Hi	rs.
ELT 111	Computer Applications for Technicians	2
ELT 131	Residential Wiring	3
ELT 134	Motors, Controls, and Drives	
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	
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 Mathema	tics	.3
Total Seme	ster Credit Hours		31