ENGINEERING TECHNOLOGY - PROGRAMMABLE LOGIC CONTROLLERS (PLC), CERTIFICATE OF ACHIEVEMENT (LEVEL I)

NMC Code 076

Trained personnel who design, program, operate, service, and maintain these devices are performing duties that fit the job description of a programmable logic controller technician. They have the technical knowledge to set up electronic control systems for mechanical equipment, including integrating electrical wiring requirements to pneumatic and hydraulic systems. They also will learn system monitoring, debugging and troubleshooting operational problems, making repairs and performing preventive maintenance activities. There is a very high demand for trained individuals in this field as many industries have automated processes in which equipment and machines are computer-controlled. The curriculum is designed by industry experts to meet employer demands. Students receive hands-on training in our state-of-the-art lab.

Requirements
Certificate Requirements

Course	Title	Credits
EET 103	Electrical Studies I	3
EET 204	Electrical Studies II	3
EET 221	Industrial Controls	3
EET 232	Programmable Logic Controllers	3
EET 233	PLC Applications I	3
EET 234	PLC Applications II	3
Total Credits		**18**

Course Sequence Guide

Course	Title	Credits
Year 1		
Fall		
EET 103	Electrical Studies I	3
	Credits	**3**
Spring		
EET 204	Electrical Studies II	3
	Credits	**3**
Year 2		
Fall		
EET 221	Industrial Controls (Fall only)	3
EET 232	Programmable Logic Controllers (Fall only)	3
	Credits	**6**
Spring		
EET 233	PLC Applications I (Spring only)	3
EET 234	PLC Applications II (Spring only)	3
	Credits	**6**
	Total Credits	**18**

The responsibility for determining the transferability of this degree and courses to another institution is the sole responsibility of the student.