

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

| | | |
|----------------------|-----------------------------------|-----------|
| 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.

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 |