**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE**

**INDUSTRIAL SYSTEMS TECHNOLOGY/**

**ELECTRICAL PLC APPLICATIONS CERTIFICATE (C50240C1)**

Effective: Fall 2023

Revised: 12/09/22

Length: 2 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Certificate

**FALL SEMESTER I**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| ELC112 | DC/AC Electricity | 3 | 6 | 0 | 5 |
| ELC128 | Intro to PLC | 2 | 3 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **5** | **9** | **0** | **8** |

**SPRING SEMESTER I**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | **Class** | **Lab** | **Clinical** | **Credit** |
| ELC117 | Motors and Controls | 2 | 6 | 0 | 4 |
| ELC228 | PLC Applications | 2 | 6 | 0 | 4 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **4** | **12** | **0** | **8** |

## TOTAL REQUIRED CREDITS.... 16

**Work-Based Learning Option**: NA