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## 2024-25 ACADEMIC COURSES

### **ELE 254 : PROG. CONTROLLERS (PLCS) II**

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This is an advanced, lab based course in PLC system hardware, software and troubleshooting. Topics include analog I/O, data manipulation, PID process control, data communications (DeviceNet and EtherNet/IP), and HMIs. Labs use A-B SLC-5/04 and ControlLogix controllers, and RSLogix software. This course is intended for Industrial Electronics and Mechatronics students, electricians, electrician (and other) apprentices, technicians and engineers. The title of this course was previously PLC Applications. Level I Prerequisite: Academic Reading and Writing Levels of 6 Level II Prerequisite: ELE 224 minimum grade "C-"; Academic Math Level 3

**Level I Prereq:** Academic Reading and Writing Levels of 6

<b>Description</b>	<b>Hours</b>
Credits	4
Lecture Hours	60
Clinical Hours	0
Lab Hours	30
Other Hours	0
Total Hours	90

Accurate as of 07/12/2024 Information is subject to change without notice.