

SMART SYSTEMS AUTOMATION TECHNOLOGY CERTIFICATE OF COMPLETION

This noncredit certificate is designed to provide students with the fundamentals of smart devices as they apply to smart systems automation technology. The curriculum prepares students for entry-level positions in computer networking, security and surveillance, audio-video entertainment systems, and environmental controls.

Code	Title	Units
Required Courses:		
ELECTR 620	Introduction to Computer Networking	0
ELECTR 621	Security, Alarm, and Surveillance Systems	0
ELECTR 622	Smart Environmental Controls	0
ELECTR 623	Audio-Visual Entertainment Systems	0
Total Hours		384-432

Program Learning Outcomes

At the completion of this program, students will be able to:

- Select and operate electronic test equipment during troubleshooting and repair operations, with emphasis on safety in use and accuracy in results.
- Analyze, interpret, and trace wiring or schematic diagrams used in installing and troubleshooting smart devices connected to the Internet of Things (IoT).
- Effectively communicate with and advise customers and co-workers, both written and orally, regarding the progress of and decisions made concerning test and repair procedures.
- Sit for industry/federal-style examinations on the theory and procedures of smart systems automation technology.