Advanced Automation & Control Technology

(CRT.AAC) Certificate

Graduates of this certificate will have developed the knowledge to integrate software with hardware in the Industrial Automation environment. Computer logic, basic programming skills, fundamentals of networking and controlling a process with instrumentation will be emphasized.

Program requirements may change over time. Specific degree/graduation requirements are determined by the students' degree audit.

FIRST YEAR

First Semester		Hours
☐ PLC 040	Fundamentals of Instrumentation	3
☐ EET 057	Computer Systems Architecture *	3
☐ PLC 050	PLC I †	3
☐ CIS 156	Computer Logic *	3
	TOTAL	**12**

Second Semester		
☐ EET 063	Industrial Computer Systems	3
☐ PLC 060	PLC II *	3
☐ EET 075	HMI *	2
☐ EET 066	Network Pro *	4
	SEMESTER TOTALS	**12**
	TOTAL PROGRAM HOURS	**24**

Manufacturing

You might also like:

Workforce Ready

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- CNC Operator – page 41
- CNC Programmer – page 42
- Computer-Aided Design – page 48
- Computer-Aided Drafting – page 49
- Computer Integrated Manufacturing Technology – page 45
- Electronic Control Technology – page 64
- Electronic Systems Specialist – page 66
- Industrial Maintenance – page 79
- Instrumentation & Control Technology – page 80
- Mechanical-Electrical Technology – page 100
- Programmable Logic Controllers – page 118
- Renewable Energy – page 121
- Renewable Energy Management – page 123
- Sustainable Energy – page 125
- Welding Technology – page 129

* There are prerequisites, course requisites or minimum placement test scores for this course

† Course only offered fall semester

NOTES:

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