Lake Land College

Electronic Control Technology

(AAS.ICS) Associate in Applied Science Degree

Manufacturing

You might also like:

Workforce Ready

- Advanced Automation & Control Technology – page 21
- 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

Graduates of this program have developed the knowledge, communication skills, and management ability to interface with and between a variety of manufacturing and other industry professionals. The graduates are prepared for a position that maintains, repairs, or installs electronic systems in businesses, factories, stores, or health care facilities. Electronic Control graduates understand electronics for technical support, programming in order to correct and modify source code, and networking in order to integrate equipment and expand networks.

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

FIRST YEAR

First Semester			Hours
☐	EET 040	Basic Electronics	2.5
☐	EET 050	Electric Circuits I *	2.5
☐	CIS 068	Computer Applications	2
☐	EET 056	Electronic Design and Fabrication	3
☐	TEC 050	Technical Math I	2
☐	TEC 052	Technical Math II *	2
☐	ENG 050	Writing for Industry	3
		SEMESTER TOTALS	**17**

Second Semester			
☐	EET 076	Digital Logic *	3
☐	EET 052	Solid State *	4
☐	TEC 054	Technical Math III *	2
☐	SPE 111	Speech Communications	3
☐	HED 178	Responding to Emergencies *or*	
	SFS 101	Strategies for Success	2
☐	EET 065	Home Technology Integration	3
		SEMESTER TOTALS	**17**

SECOND YEAR

First Semester			Hours
☐	EET 048	Digital Circuits *	3
☐	EET 057	Computer System Architecture *	3
☐	EET 086	PLC I *	2
☐	EET 081	Microcontroller Applications *	3
☐	EET 071	Routing and Switching	3
		SEMESTER TOTALS	**14**

Second Semester			
☐	EET 063	Industrial Computer Systems	3
☐	TEC 053	Technical Project Management	3
☐		Technical Elective	6.5
☐		Social Science Elective	3
☐	EET 075	Human Machine Interface	2
		SEMESTER TOTALS	**17.5**
		TOTAL PROGRAM HOURS	**65.5**

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

NOTES:

Call Counseling Services: 217-234-5232
Email: counsel@lakeland.cc.il.us

Faculty Contact: Michael Beavers
Email: mbeavers@lakeland.cc.il.us
Phone: 217-234-5341