



**ELECTRONICS TECHNOLOGY
Degree Program**

Career Curriculum
Associate in Applied Science
Minimum Hrs. 66
Major Code: 1.2 150303C

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ELT 100 DC/AC Fundamentals	8	___
MAT 106 Technical Mathematics	4	___
MFT 103 Industrial Robots and PLCs	3	___
	15	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ELT 110 Solid State Circuits	8	___
ELT 111 Digital Electronics	6	___
PHY 121 Technical Physics	3	___
	17	___

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ELT 214	A+ Prep Operating Systems Core	3	___
ELT 220	Linear Integrated Circuits	5	___
ELT 236	Introduction to Fiber Optics	3	___
ENG 101	English Composition I ¹ OR ENG 113 Professional Technical Writing	3	___
PSC 131	American Government OR HIS 201 United States History I OR HIS 202 United States History II	3 17	___

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 200	Introduction to Microprocessors	5	___
ELT 210	A+ Prep Hardware Core	3	___
ELT 224	Power Distribution and Motors	3	___
MFT 201	PLC Manufacturing Systems	3	___
SPE 115	Speech	3 17	___

SERVICE COURSE:

ELT 240 FCC General Class License Preparation This course is designed to help prepare the student to take the General Radio Telephone Operator's exam.

¹ Requires a grade of "C" or higher.

*John A. Logan College reserves the right to modify this curriculum guide as needed.
Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Spring, 2006

Additional Information:

This two-year program is designed to provide a thorough understanding of DC/AC fundamentals, solid state electronics, digital electronics, microprocessor operations, and industrial electronics.

The graduate of this two-year program will be qualified for employment for an entry level position as an electronics technician.

Upon completion of this program, the student will be awarded an associate degree in electronics technology.

For students entering the program with prior education or on-the-job experience, it is possible to test out of the basic courses. For additional information, students should see their advisor or the chairperson of the Division of Applied Technologies.

Because the electronics curriculum has been articulated with the College of Engineering and Technology at SIU, a graduate of this program has the option of seeking employment directly after graduation or transferring to SIU to pursue a B. S.

Career Opportunities: Entry-level position as an electronics technician.