



**ELECTRONICS TECHNOLOGY  
Night Rotation  
Degree Program**

Career Curriculum  
Associate in Applied Science  
Minimum Hrs. 65  
Major Code: 1.2 150303C

**FIRST YEAR – FALL SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 111 Digital Electronics	6	___
MAT 113 Introduction to Contemporary Mathematics OR MAT 106 Technical Mathematics OR MAT 120 Elementary Statistics	3-4 9-10	___ ___

**SECOND OR THIRD YEAR – FALL SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 230 Applications of PLCs	2	___
PSC 131 American Government OR HIS 201 United States History I OR HIS 202 United States History II	3	___ ___
SPE 115 Speech	3 8	___ ___

**FIRST YEAR – SPRING SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 100 DC/AC Fundamentals	8	___
MFT 103 Industrial Robots and PLCs	3 11	___ ___

**SECOND OR THIRD YEAR – SPRING SEMESTER**

Dept. No.	Hrs.	Gr.
CIS 102 Programming	3	___
ELT 224 Power Distribution and Motors	3	___
ELT 236 Introduction to Fiber Optics	3 9	___ ___

**SECOND OR THIRD YEAR – FALL SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 110 Solid State Circuits	8	___
ENG 101 English Composition I <sup>1</sup> OR ENG 113 Technical Writing <sup>1</sup>	3 11	___ ___

**FOURTH YEAR – FALL SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 220 Linear Integrated Circuits	8 8	___ ___

**SECOND OR THIRD YEAR – SPRING SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 200 Introduction to Microprocessors	5	___
PHY 153 Technical Physics	4 9	___ ___

<sup>1</sup> Requires a grade of "C" or higher.

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.

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

*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: Fall 2008**

**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. 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.