



ELECTRICAL ENGINEERING TECHNOLOGY*
Degree Program

Career Curriculum ELT 3012
Associate in Applied Science
Minimum Hrs. 70
Major Code: 1.2 150303Y

FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
ELT 102	Basic Electricity and Wiring	4	—
ELT 111	Digital Electronics	6	—
MAT 111	Pre-Calculus	5	—
MFT 103	Industrial Robots and PLCs	3	—
		<u>18</u>	

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 103	Applied DC/AC Circuits	4	—
ELT 150	Applied Solid State Electronics	4	—
PHY 155	College Physics I	5	—
SPE 115	Speech	3	—
		<u>16</u>	

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
BUS 138	Employment Strategy	1	—
CPS 176	Introduction to Computer Programming	4	—
ELT 151	Applied Solid State Circuits	4	—
ENG 101	English Composition 1 ¹	3	—
MAT 131	Calculus I	5	—
		<u>17</u>	

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 200	Introduction to Microprocessors	5	—
ELT 220	Linear Integrated Circuits	5	—
ELT 224	Power Distribution and Motors	3	—
ENG 102	English Composition II ¹	3	—
PSC 131	American Government OR HIS 201 United States History I OR HIS 202 United States History II	3 19	— —

*Completion of MAT 201 is recommended prior to transfer to SIU-C.

¹ Requires a grade of "C" or higher.

Fall only courses: Spring only courses:

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|---------|---------|
| ELT 102 | ELT 103 |
| ELT 111 | ELT 150 |
| ELT 151 | ELT 224 |
| MFT 103 | |

The Electrical Engineering Technology AAS Degree (ELT 3012) is an ICCB approved extension of the Electronics Technology AAS Degree (00ELT3010).

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 2010

Career Opportunities: The graduate in Electronics Engineering Technology will be prepared for entry-level careers in areas such as: Product development and support Technician, Field engineering/service Technician, Test Engineering Technician, Technical documentation, Technical sales/marketing, Telecommunications and wireless systems development and support, Research and development, Quality assurance, Technical documentation.