

**Associate in Applied Science**  
Toward a Degree in  
**Electrical Engineering  
Technology**

**FIRST YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Grade
ORI	100	College Fundamentals (A, B, or C)	1	_____
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics I	3	_____
MAT	111	Pre-Calculus	5	_____
ELT	105	Intro to Programmable Logic Controllers	<u>3</u>	_____
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**NOTES AND INFORMATION**

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

<u>Fall only courses:</u>		<u>Spring only courses:</u>	
ELT 111	ELT 103	ELT 218	
ELT 151	ELT 112	ELT 220	
ELT 200	ELT 150	ELT 224	
ELT 214	ELT 210		
ELT 105	ELT 215		

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

**FIRST YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	_____
ELT	112	Digital Electronics II	3	_____
ELT	150	Applied Solid State Electronics	3	_____
ENG	101	English Composition I <sup>1</sup> OR ENG 113 Professional Technical Writing <sup>1</sup>	3	_____
MAT	131	Calculus I	<u>5</u>	_____
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**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.

**JALC ELT Programs are education members of:**



Institute of Electrical and Electronics Engineers  
445 Hoes Lane  
Piscataway, NJ 08854



Association for Computing Machinery  
1601 Broadway, 10th Floor  
New York, NY 10019-7434

**SECOND YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Grade
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
ELT	151	Applied Solid State Circuits	3	_____
ELT	200	Introduction to Microprocessors	3	_____
ELT	214	Fundamentals of Computing Hardware	3	_____
PHY	155	College Physics I	<u>5</u>	_____
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John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and timelines of this document.

**SECOND YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Grade
ELT	210	Supporting Computer Operating Systems	3	_____
ELT	215	IOT and Embedded Systems	3	_____
ELT	218	Introduction to Network Technologies	3	_____
ELT	220	Special Projects in Electronics	3	_____
ELT	224	Power Distribution and Motors	<u>3</u>	_____
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