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

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	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	3	_____
			16	

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[1] OR ENG 113	3	_____
		Professional Technical Writing[1]		
MAT	131	Calculus I	5	_____
			18	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech OR	3	_____
		COM 116 Interpersonal Communication		
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	5	_____
			17	

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	3	_____
			15	

NOTES AND INFORMATION

[1] Requires a grade of "C" or higher.

Fall only courses:	Spring only courses:	
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).

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:

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

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

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