JALC
www.jalc.edu

Associate in Applied Science
Toward a Degree in
Electronics 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	113	OR MAT 112 Introduction to Contemporary Mathematics	3	_____
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
ELT	105	Intro to Programmable Logic Controllers	3	_____
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	103	Applied DC/AC Circuits	4	_____
ELT	104	Introduction to VFDs	2	_____
ELT	112	Digital Electronics II	3	_____
ELT	150	Applied Solid State Electronics	3	_____
ELT	201	PLC Manufacturing Systems & Industrial Robotics	3	_____
			15	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	151	Applied Solid State Circuits	3	_____
ELT	200	Introduction to Microprocessors	3	_____
ELT	214	Fundamentals of Computing Hardware	3	_____
ENG	101	English Composition I[1] OR ENG 113 Professional Technical Writing[1]	3	_____
IAI Social and Behavioral Science Elective			3	_____
			15	

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	_____
PHY	121	Technical Physics	3	_____
			18	

NOTES AND INFORMATION

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

Fall only courses:		Spring only courses:			
ELT 111	ELT 214	ELT 103	ELT 150	ELT 218	ELT 201
ELT 151	ELT 105	ELT 104	ELT 210	ELT 220	
ELT 200		ELT 112	ELT 215	ELT 224	

The Electronics Technology AAS Degree (00ELT3010) is the parent program to:
- Computer Support and Networking (00ELT3015)
- Electrical Engineering Technology AAS Degree (ELT 3012)
- Mechatronics Engineering Technology AAS Degree (00ELT3012)

Career Opportunities: The Electronics Technician has career opportunities in many entry-level areas such as: Electronic equipment installation and repair, Maintenance Technician, Broadcast Communications Technician, System Technician, Plant Technician, Telephone Technician, Fiber Optic Technician, Telecommunications Technician and Technical Report Writers. The typical job related activities may involve assembly, installation, maintenance, testing, troubleshooting and repair.

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

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.