

# Associate in Applied Science

Toward a Degree in

## Computer Support & Networking

Career Curriculum 00ELT 3015  
Minimum Hours: 62  
Major Code: 1.2 470104  
Effective Date: Fall 2024

### FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
CIS	200	Network Essentials	3	_____
CIS	206	Managing Network Environments I <sup>2</sup>	3	_____
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics I	3	_____
MAT	113	or MAT 112 Introduction to Contemporary Mathematics	<u>3</u> 17	_____

### FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	_____
ELT	180	Ethics in Technology	3	_____
ELT	150	Applied Solid State Electronics <sup>4</sup>	3	_____
ELT	112	Digital Electronics II	3	_____
PHY	121	Technical Physics	<u>3</u> 15	_____

### SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ELT	222	Applications of Artificial Intelligence	3	_____
ELT	200	Introduction to Microprocessors	3	_____
ELT	214	Fundamentals of Computing Hardware	3	_____
ENG	101	English Composition I <sup>1</sup> OR ENG 113 Professional Technical Writing	3	_____
COM	115	Speech OR COM116 Interpersonal Communication	<u>3</u> 15	_____

### SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	213	Penetration Testing <sup>1</sup>	3	_____
ELT	210	Supporting Computer Operating Systems	3	_____
ELT	215	IOT and Embedded Systems <sup>1</sup>	3	_____
ELT	218	Introduction to Network Technologies	3	_____
IAI	Social and Behavioral Science Elective		<u>3</u> 15	_____

### OPTIONAL:

INT 101 Internship 1-4 hours<sup>3</sup>

### NOTES AND INFORMATION

#### Fall Only Courses:

ELT 111    ELT 222  
ELT 214  
ELT 200

#### Spring Only Courses:

CIS 213    ELT 215  
ELT 112    ELT 210  
ELT 150    ELT 218  
ELT 180

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

<sup>2</sup> These courses have a prerequisite.

<sup>3</sup> Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

<sup>4</sup>ELT 105 (Fall) may be taken as a substitute for ELT 150 (Spring)

**Career Opportunities:** Entry-level IT Technician, Entry-level IT Security, PC Repair Person, Wireless Network Administrator, Entry-Level Wireless Network Security Administrator, Entry-level Server Administrative Network Technician.

### 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

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