Associate in Applied Science
Toward a Degree in
Computer Support & Networking

JALC
www.jalc.edu

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
CIS	200	Network Essentials	3	_____
CIS	206	Managing Network Environments I[2]	3	_____
ELT	102	Basic Electricity and Wiring	4	_____
ELT	111	Digital Electronics I	3	_____
MAT	113	or MAT 112 Introduction to Contemporary	3	_____
		Mathematics	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[4]	3	_____
ELT	112	Digital Electronics II	3	_____
PHY	121	Technical Physics	3	_____
			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[1] OR	3	_____
		ENG 113 Professional Technical Writing		
COM	115	Speech OR COM116 Interpersonal Communication	3	_____
			15	

SECOND YEAR – SPRING SEMESTER

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

OPTIONAL:
INT 101 Internship 1-4 hours[3]

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	

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

[2] These courses have a prerequisite.

[3] Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

[4] MFT 103 (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:

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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