



COMPUTER SUPPORT AND NETWORKING*
Degree Program

Career Curriculum 00ELT3015
Associate in Applied Science
Minimum Hrs. 68
Major Code: 1.2 470104C

FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
CIS 120	Database Management	3	___
CIS 230	Operating Systems ¹	3	___
ELT 102	Industrial Electricity	4	___
ELT 111	Digital Electronics	6	___
MAT 113	Introduction to Contemporary Mathematics OR	3-4	___
	MAT 106 Technical Mathematics OR	19-20	___
	MAT 120 Elementary Statistics		

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
CIS 200	Network Essentials ²	3	___
ELT 103	Applied DC/AC Circuits	4	___
ELT 200	Introduction to Microprocessors	5	___
ELT 210	A+ Preparation Essentials ²	3	___
ENG 101	English Composition I ³ OR	3	___
	ENG 113 Professional Technical Writing ³	18	___

Fall Only Courses: Spring Only Courses:

CIS 206	CIS 200
CIS 250	CIS 208
ELT 102	ELT 103
ELT 111	ELT 200
ELT 214	ELT 210
ELT 236	ELT 218

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
CIS 206	Managing Network Environments I ²	3	___
CIS 250	Wireless Networks ²	3	___
ELT 214	A+ Preparation IT Technician ²	3	___
ELT 236	Introduction to Fiber Optics ²	3	___
SPE 115	Speech	3	___
		15	___

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
CPS 176	Introduction to Computer Programming	4	___
CIS 208	Security Awareness	3	___
ECO 202	Principles of Microeconomics	3	___
ELT 218	Introduction to Network Technologies	3	___
PHY 121	Technical Physics	3	___
		16	___

Optional

ATI 200	Applied Technologies Internship	1-3	
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*Program Prerequisite: CIS 101 or equivalent. Equivalent may be met through a course at a college or university, tech prep dual credit from high school, proficiency exam or consent of instructor. Students who do not meet prerequisite should take CIS 101 their first semester of enrollment.

¹ Students should take CIS 230 their first semester to meet advanced course prerequisites.

² These courses have a prerequisite.

³ Requires a grade of "C" or higher.

The Computer Support and Networking Degree AAS (00ELT3015) is an ICCB approved extension of the Electronics Technology AAS Degree (00ELT3010) and is the parent program to:

- EST Computer Support and Networking Electronic Systems Technology Capstone Option at SIUC AAS Degree Program (00ELT3021)
- Information System Technician Certificate Program (ELT 0106)
- IST Computer Support and Networking, Information Systems Technology Capstone Option at SIUC AAS Degree Program (00ELT3022)

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

*John A. Logan College reserves the right to modify this curriculum guide as needed.
Please verify with your academic advisor the accuracy and time lines of this document.*

Effective Date: Fall 2010

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.