



EST COMPUTER SUPPORT AND NETWORKING*
Electronic Systems Technology Capstone Option at SIUC
Degree Program

Career Curriculum 00ELT3021
 Associate in Applied Science
 Minimum Hrs. 68
 Major Code: 1.2 470104E

FIRST YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
CIS 120	Database Management	3	___
ELT 102	Basic Electricity and Wiring	4	___
ELT 111	Digital Electronics	6	___
MAT 113	Introduction to Contemporary Mathematics OR	3-4	___
	MAT 106 Technical Mathematics OR	16-17	___
	MAT 120 Elementary Statistics		___

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
CIS 200	Network Essentials	3	___
ELT 103	Applied DC/AC Circuits ¹	4	___
ELT 150	Applied Solid State Electronics ¹	4	___
ELT 210	A+ Preparation Essentials ¹	3	___
SPE 115	Speech	3	___
		17	___

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
CIS 206	Managing Network Environments I	3	___
CIS 250	Wireless Networks ¹	3	___
ELT 151	Applied Solid State Circuits ¹	4	___
ELT 214	A+ Preparation IT Technician ¹	3	___
ELT 236	Introduction to Fiber Optics ¹	3	___
		16	___

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
CIS 208	Security Awareness	3	___
CPS 176	Introduction to Computer Programming	4	___
ECO 202	Principles of Microeconomics	3	___
ELT 218	Introduction to Network Technologies	3	___
ENG 101	English Composition I ² OR	3	___
	ENG 113 Professional Technical Writing ²		___
PHY 121	Technical Physics	3	___
		19	___

Fall Only Courses:

CIS 206
 CIS 250
 ELT 102
 ELT 111

Spring Only Courses:

CIS 200
 CIS 208
 ELT 103
 ELT 150
 ELT 210
 ELT 218

*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 prerequisites should take CIS 101 their first semester of enrollment.

¹ This course has a prerequisite.

² Requires a grade of "C" or higher.

The EST Computer Support and Networking, Electronic Systems Technology Capstone Option at SIUC AAS Degree (00ELT3021) is an ICCB approved extension of the Computer Support and Networking AAS Degree (00ELT3015).

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: Computer Hardware Engineer, Computer Technician, Computer Support Specialists, Network/Computer Support Administrator, Network Installer