



IST COMPUTER SUPPORT AND NETWORKING*
Information Systems Technology Capstone Option at SIUC
Degree Program

Career Curriculum 00ELT3022
 Associate in Applied Science
 Minimum Hrs. 68
 Major Code: 1.2 470104F

FIRST YEAR – FALL SEMESTER

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

SECOND YEAR – FALL SEMESTER

Dept. No.		Hrs.	Gr.
CIS 206	Managing Network Environments I	3	___
CIS 225	Advanced Database Management ³	3	___
CIS 250	Wireless Networks ³	3	___
ELT 214	A+ Preparation IT Technician	3	___
ELT 236	Introduction to Fiber Optics ³	3	___
SPE 115	Speech	3	___
		18	___

FIRST YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
CIS 200	Network Essentials	3	___
CIS 240	Web Page Design	3	___
ELT 210	A+ Preparation Essentials	3	___
ENG 101	English Composition I ² OR	3	___
	ENG 113 Professional Technical Writing ²		
PHY 121	Technical Physics	3	___
		15	___

SECOND YEAR – SPRING SEMESTER

Dept. No.		Hrs.	Gr.
CIS 208	Security Awareness	3	___
CIS 245	Advanced Web Design ³	3	___
CPS 176	Introduction to Computer Programming ³	4	___
ECO 202	Principles of Microeconomics	3	___
ELT 218	Introduction to Network Technologies	3	___
		16	___

Fall Only Courses:

CIS 206
 CIS 225
 CIS 250
 ELT 102
 ELT 111
 ELT 214
 ELT 236

Spring Only Courses:

CIS 200
 CIS 208
 CIS 245
 ELT 210
 ELT 218

*Program Prerequisite: CIS 101 or equivalent. Equivalent may be met through 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 Requires a grade of "C" or higher.

³ These courses have a prerequisite.

The IST Computer Support and Networking, Information Systems Technology Capstone Option at SIUC AAS Degree 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 2011

Career Opportunities: Computer Support Specialists, Network/Computer System Administrator, Computer Specialist. This degree is being taught in conjunction with the Electronics department. Upon successful completion of the program, the student will be able to build, repair, and troubleshoot a computer and be able to design, troubleshoot and administer a network. This degree will capstone to SIU through Information Systems Technologies.