



**FIRST YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Gr.
CIS	101	Introduction to Computers	3	___
CIS	170	CISCO I	5	___
CIS	200	Network Essentials	3	___
CIS	206	Managing Network Environment I	3	___
MAT	113	Introduction to Contemporary Mathematics OR	3	___
		BUS 111 Business Mathematics	17	___

**SECOND YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Gr.
CIS	216	Cloud Technology <sup>1</sup>	3	___
CIS	219	Ethical Hacking <sup>1</sup>	3	___
ELT	214	A+ Preparation IT Technician	3	___
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	___
		IAI Social and Behavioral Science Elective <sup>2</sup>	3	___
		<b>OR</b> if following Track 1: CIS 229	15	___

**FIRST YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Gr.
CIS	208	Security Awareness	3	___
CIS	230	Operating Systems	3	___
CIS	231	Firewalls and VPN's <sup>1,4</sup>	3	___
CIS	270	CISCO II <sup>1</sup>	4	___
		Elective – Track 1 or Track 2 <sup>3</sup>	3	___
			16	___

**SECOND YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Gr.
CIS	213	Penetration Testing <sup>1</sup>	3	___
CPS	176	Intro to Computer Programming <sup>1</sup>	4	___
ENG	113	Professional Technical Writing OR	3	___
		ENG 101 English Composition*		___
PHL	121	Introduction to Logic	3	___
		Elective – Track 2 <sup>3</sup>	3	___
		<b>OR</b> if following Track 1 <sup>3</sup> : IAI Social and Behavioral Science Elective <sup>2</sup>	16	___

Fall Only Courses:

CIS 170  
CIS 206  
CIS 216  
CIS 219

Spring Only Courses:

CIS 270  
CIS 209  
CIS 213  
CIS 231  
ELT 210  
ELT 218

\*Students must maintain a grade of "C" or higher in all courses.

<sup>1</sup> These courses have a prerequisite.

<sup>2</sup> PSY 132 is recommended.

<sup>3</sup> Track 1 Electives – CIS 209 – Introduction to Cybercrimes-spring only class, CIS 229 – Digital Forensics<sup>1</sup>- fall only class. CIS 209 is prerequisite to CIS 229.

**Note: Students planning on following Track 1 should take CIS 209 during the first year, spring semester and CIS 229 during the second year, fall semester. The IAI Social Science course may then be taken during the second year, spring semester.**

Track 2 Electives – ELT 210 – A+ Preparation Essentials, ELT 218 – Intro to Network Technologies. Both classes taught spring semesters only.

<sup>4</sup> Concurrent enrollment in CIS 230, if not previously completed, is required.

The Cyber-Security/Information Assurance AAS Degree (CIS 2015) is an ICCB approved extension of the Computer Forensics AAS Degree (CIS 2012).

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 2018**

**Career Opportunities:** This degree is for students that want to work in a small to medium size business environment with routers, firewalls, and VPN's managing develop security policies and design networks while keeping data secure. Preparation for COMPTIA, Net+, A+, CCENT and CCNA certifications can be obtained through this degree. Graduates will be qualified for careers in cybersecurity and information assurance in federal, state and local agencies, and the private sector.