



**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 BUS 111 Business Mathematics	<u>3</u> 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>	<u>3</u> 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>	<u>3</u> 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 ENG 101 English Composition*	3	___
PHL 121 Introduction to Logic	3	___
Elective – Track 1 or Track 2 <sup>3</sup>	<u>3</u> 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. Track 2 Electives – ELT 210 – A+ Preparation Essentials, ELT 218 – Intro to Network Technologies. Both classes taught spring semesters only.

**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.**

<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: Spring 2017**

**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.