



Associate in Applied Science

Toward a Degree in

Cyber-Security/Information Assurance

Career Curriculum CIS 2015
Minimum Hours: 64
Major Code: 1.2 111003R
Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	3 17	_____

NOTES AND INFORMATION

Fall Only Courses: Spring Only Courses:

CIS 170	CIS 200	CIS 270	ELT 210
CIS 206	ELT 214	CIS 209	ELT 218
CIS 216	CIS 229	CIS 213	
CIS 219		CIS 231	

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

¹ These courses have a prerequisite.

² PSY 132 is recommended.

³ Track 1 Electives – CIS 209 – Introduction to Cybercrimes-spring only class, CIS 229 – Digital Forensics¹- 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.

⁴ Concurrent enrollment in CIS 230, if not previously completed, is required.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	_____
CIS	230	Operating Systems	3	_____
CIS	231	Firewalls and VPN's ^{1,4}	3	_____
CIS	270	CISCO II ¹	4	_____
		Elective – Track 1 or Track 2 ³	3 16	_____

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.

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.

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.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CIS	216	Cloud Technology ¹	3	_____
CIS	219	Ethical Hacking ¹	3	_____
ELT	214	A+ Preparation IT Technician	3	_____
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	_____
		IAI Social and Behavioral Science Elective ² OR If following Track I: CIS 229	3 15	_____

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	213	Penetration Testing ¹	3	_____
CPS	176	Intro to Computer Programming ¹	4	_____
ENG	113	Professional Technical Writing OR ENG 101 English Composition*	3	_____
PHL	121	Introduction to Logic	3	_____
		Elective – Track 1 or Track 2 ³ OR If following Track I: IAI Social & Behavioral Science Elective ²	3 16	_____