

Associate in Applied Science
Toward a Degree in
Cyber-Security/Information Assurance

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
OFT	207	Computer Applications for Business	3	_____
CIS	170	CISCO I	5	_____
CIS	200	Network Essentials	3	_____
CIS	206	Managing Network Environment I	3	_____
MAT	120	Elementary Statistic OR MAT 119 Elementary Statistics with Integrated Review OR BUS 111 Business Mathematics	3 3	_____
			18	

NOTES AND INFORMATION

Fall Only Courses: Spring Only Courses:

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

*Course requires a grade of "C" or above

¹ These courses have a prerequisite.

² PSY 132 is recommended.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	_____
CIS	230	Operating Systems	3	_____
CIS	270	CISCO II ¹	4	_____
ENG	113	Professional Technical Writing OR ENG 101 English Composition*	3	_____
CIS 209 (TRACK 1) OR ELT 210 (TRACK 2)			3 16	_____

Forensics Required Electives – TRACK 1

CIS	209	Introduction to Cybercrimes (spring only)	3	_____
CIS	229	Digital Forensics ² (fall only course, CIS 209 prerequisite)	3	_____
IAI Social Science / Behavioral Science Elective OR PSY 132			3	_____

Networking Required Electives – TRACK 2

ELT	210	Supporting Computer Operating Systems	3	_____
IAI Social Science / Behavioral Science Elective			3	_____
ELT	218	Intro to Network Technologies (spring only)	3	_____

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.

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 timelines of this document.

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CIS	171	Intro to Scripting	4	_____
CIS	216	Cloud Technology ¹	3	_____
CIS	219	Ethical Hacking ¹	3	_____
ELT	214	Fundamentals of Computing Hardware	3	_____
CIS 229 (TRACK 1) OR IAI Social Science / Behavioral Science Elective (TRACK 2)			3 16	_____

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	213	Penetration Testing ¹	3	_____
CIS	231	Firewalls and VPN's ¹	3	_____
PHL	121	Introduction to Logic	3	_____
COM	115	Speech OR COM 116 Interpersonal Communication	3	_____
IAI Social Science / Behavioral Science Elective ² (TRACK 1) OR ELT 218 (TRACK 2)			3 15	_____