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

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College Fundamentals (A, B, or C)	1	
ENG	113	Professional Technical Writing OR ENG 101 English Composition*	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	
			18	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	208	Security Awareness	3	
CIS	230	Operating Systems	3	
CIS	270	CISCO II[1]	4	
CIS	211	Industrial Control Systems Cybersecurity	3	
		CIS 209 (TRACK 1) OR ELT 210 (TRACK 2)	3	
			16	

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	

NOTES AND INFORMATION

Fall Only Courses:

CIS 170	CIS 229
ELT 214	
CIS 216	
CIS 219	

Spring Only Courses:

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

*Course requires a grade of "C" or above

[1] These courses have a prerequisite.

[2] PSY 132 is recommended.

Forensics Required Electives – TRACK 1

CIS	209	Introduction to Cybercrimes (spring only)	3	
CIS 229 Digital Forensics[1] (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.