



Associate in Applied Science

Toward a Degree in

Computer Information Systems

Career Curriculum CIS 0400
Minimum Hours: 64
Major Code: 1.2 110103C
Effective Date: Spring 2017

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
BUS	110	Introduction to Business	3	_____
CIS	101	Introduction to Computers	3	_____
CIS	200	Network Essentials	3	_____
CIS	206	Managing Network Environment I	3	_____
MAT	113	Introduction to Contemporary Mathematics OR BUS 111 Business Mathematics ⁴	3 15	_____

NOTES AND INFORMATION

Fall Only Courses: CIS 200 CIS 216
CIS 206 CIS 225

Spring Only Courses: CIS 209 CIS 231
CIS 220

*BUS 115 or equivalent is a recommended prerequisite for this program. Students who do not meet prerequisite should take BUS 115 their first semester of enrollment.

Students planning to capstone with SIU should follow the appropriate capstone curriculum guide.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ACC	100	Business Accounting OR ACC 200 Financial Accounting I	3	_____
CIS	120	Database Management	3	_____
CIS	208	Security Awareness	3	_____
CIS	209	Introduction to CyberCrimes	3	_____
CIS	230	Operating Systems	3	_____
PHL	121	Introduction to Logic	3 18	_____

¹ Requires a grade of "C" or higher.

² Students may choose electives from the following classes: CIS 213 Penetration Testing OR ELT 218 Introduction to Network Technologies

³ These courses have a prerequisite.

⁴ Or any higher level MAT course

The Computer Information Systems AAS (CIS 0400) is the parent program to:

- Computer Information Systems Certificate (CIS 0401)
- Computer Networking (CIS 1206)

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CIS	104	Spreadsheet Design	3	_____
CIS	216	Cloud Technology ³	3	_____
CIS	225	Advanced Database Management ³	3	_____
CPS	176	Introduction to Computer Programming ³	4	_____
ENG	101	English Composition I ¹ OR ENG 113 Professional Technical Writing ¹	3 16	_____

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).

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
CIS	220	Advanced Spreadsheet Design ³	3	_____
CIS	231	VPNs and Firewalls	3	_____
ECO	201	Introduction to Macroeconomics OR ECO 202 Introduction to Microeconomics	3	_____
SPE	115	Speech OR SPE 116 Speech Interpersonal Communication	3 3	_____
Elective ²			15	_____

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 computer environment and work with the computer applications as well as administer a network. This degree will concentrate more on computer applications and networking than on business office practices. Preparation for MOS certifications can be obtained through this degree. This degree will also capstone to SIU through Information Systems Technologies and Health Care Management.

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.