



**FIRST YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Gr.
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	3	___
		BUS 111 Business Mathematics <sup>4</sup>	15	___

**SECOND YEAR – FALL SEMESTER**

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

**FIRST YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Gr.
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	___

**SECOND YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Gr.
CIS	220	Advanced Spreadsheet Design <sup>3</sup>	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	___
		Elective <sup>2</sup>	3	___
			15	___

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.

<sup>1</sup>Requires a grade of “C” or higher.

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

<sup>3</sup>These courses have a prerequisite.

<sup>4</sup>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)

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 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.*

**Effective Date: Spring 2017**