



# SOUTHERN UNION

STATE COMMUNITY COLLEGE

## Success Guide

### INFORMATION SYSTEMS Associate in Applied Science

Semester	Course Prefix and Number	Course Description	Credit Hours	Area
1	CIS 130*	Introduction to Information Systems	3	V
	ENG 101	English Composition I	3	I
		Path Elective	3	V
	CIS 199	Network Communications (Fall Only)	3	V
	CIS 207	Introduction to Web Development	3	V
		Semester Total	15	
2	CIS 202	Python Programming (Spring Only)	3	V
	CIS 251	C++ Programming (Spring Only)	3	V
	CIS 268	Software Support (Spring Only)	3	V
	CIS 269	Hardware Support (Spring Only)	3	V
	SPH 106 or SPH 107	Fundamentals of Oral Communications or Fundamentals of Public Speaking	3	II
		Semester Total	15	
3	CIS 222	Database Management	3	V
	CIS 256	Advanced Java Programming	3	V
	BUS 215	Business Communication	3	V
		Path Elective	3	V
	MTH 100 or MTH 108	Intermediate College Algebra Quantitative Reasoning or higher-level math	3	III
		Semester Total	15	
4	CIS 246	Ethical Hacking (Spring Only)	3	V
		Path Elective	3	V
	ECO 231 or ECO 232	Principles of Macroeconomics or Principles of Microeconomics	3	IV
	ART 100 or MUS 101 or THR 120	Art Appreciation or Music Appreciation or Theater Appreciation	3	II
	BIO 101	Biology I or other natural science	4	III
		Semester Total	16	
		Total Hours	61	

**Information Systems Certificate**  
**Computer and Network Support – 45 Hours**

NOTE: Classes may be taken in any semester if prerequisites are met.

\*CIS130 may be challenged

Catalog 2025-2026

Updated 08/05/2025

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# SOUTHERN UNION

## STATE COMMUNITY COLLEGE

### INFORMATION SYSTEMS CTE Short-Term Certificate

#### General Information Systems Path Electives (must choose 3)

Course Prefix and Number	Course Description	Credit Hours	Area
BUS 100	Introduction to Business	3	V
CIS 146	Microcomputer Applications	3	V
CIS 296	Server Administration	3	V
CIS 277	Network Services Administration (Spring Only)	3	V

### INFORMATION SYSTEMS CTE Short-Term Certificate

#### Cloud Computing Path Electives (must choose 3)

Course Prefix and Number	Course Description	Credit Hours	Area
CIS 171	Linux I (Fall Only)	3	V
CIS 237	Virtual Infrastructure: Installation and Configuration (Spring Only)	3	V
CIS 238	Cloud Computing: Infrastructure and Services (Fall Only)	3	V

NOTE: Classes may be taken in any semester if prerequisites are met.

\*CIS130 may be challenged

**INFORMATION SYSTEMS -  
COMPUTER AND NETWORK SUPPORT  
CTE Short-Term Certificate**

Course Prefix and Number	Course Description	Credit Hours	Area
CIS 130*	Introduction to Information Systems	3	V
CIS 146	Microcomputer Applications	3	V
CIS 199	Network Communications (Fall Only)	3	V
CIS 246	Ethical Hacking (Spring Only)	3	V
CIS 256	Advanced Java Programming (Fall Only)	3	V
CIS 268	Software Support (Spring Only)	3	V
CIS 269	Hardware Support (Spring Only)	3	V
CIS 277	Network Services Administration (Spring Only)	3	V
	Total Hours	18	

**INFORMATION SYSTEMS -  
COMPUTER HARDWARE AND SOFTWARE SUPPORT  
CTE Short-Term Certificate**

Course Prefix and Number	Course Description	Credit Hours	Area
CIS 130* or CIS 146	Introduction to Information Systems or Microcomputer Applications	3	V
CIS 268	Software Support (Spring Only)	3	V
CIS 269	Hardware Support (Spring Only)	3	V
	Total Hours	9	

**INFORMATION SYSTEMS – CLOUD COMPUTING  
CTE Short-Term Certificate**

Course Prefix and Number	Course Description	Credit Hours	Area
CIS 130* or CIS 146	Introduction to Information Systems or Microcomputer Applications	3	V
CIS 171	Linux I (Fall Only)	3	
CIS 237	Virtual Infrastructure: Installation and Configuration (Spring Only)	3	V
CIS 238	Cloud Computing: Infrastructure and Services (Fall Only)	3	V
	Total Hours	12	

NOTE: Classes may be taken in any semester if prerequisites are met.

\*CIS130 may be challenged