

Computer Technology Associate in Applied Science

The Associate in Applied Science Computer Technology degree program prepares students for entry-level computer technology positions. Emphasis throughout the program's duration is placed on effective computer and communication skills.

The **Systems Security and Infrastructure Concentration** trains students to install, configure, secure and maintain computer hardware including data center servers and business workstations using Microsoft and Linux operating systems, as well as cloud technologies used for virtualization and data center management.

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

Note: Please contact your advisor for recommended evening schedules.

Systems Security and Infrastructure Concentration Recommended Program Schedule

FIRST SEMESTER		HOURS
COL 111	E-Learning Success	1
COL 105	Freshman Seminar	3
CPT 113	Information Systems	3
ENG 101	English Composition I	3
Select one of the following:		3
MAT 120	Probability and Statistics	
MAT 103	Quantitative Reasoning ¹	
MAT 109	College Algebra With Modeling	
Higher college transferable math		
Total Semester Hours		13
SECOND SEMESTER		
IST 220	Data Communications	3
CPT 257	Operating Systems	3
CPT 170	Computer Applications I	3
CPT 127	Python Programming I	3
Total Semester Hours		12
THIRD SEMESTER		
IST 190	LINUX Essentials	3
CYB 110	Introduction to Cybersecurity	3
CPT 209	Computer Systems Management	3
Total Semester Hours		9

FOURTH SEMESTER		
IST 191	LINUX System Administration	3
IST 257	LAN Network Server Technologies	3
IST 266	Internet and Firewall Security	3
Select one of the following:		3
SPC 205	Public Speaking	
SPC 208	Intercultural Communication	
SPC 209	Interpersonal Communication	
	Total Semester Hours	12
FIFTH SEMESTER		
IST 198	Cloud Computing I	3
IST 258	LAN Directory Services	3
IST 272	Relational Database	3
CPT 267	Technical Support Concepts	3
	Total Semester Hours	12
SIXTH SEMESTER		
CPT 264	Systems & Procedures	3
Social Science Elective		3
Humanities Elective		3
	Total Semester Hours	9
	Total Required Credit Hours	67

¹ Preferred Course