

Computer Technology Associate in Applied Science

Mission Statement

The Associate of 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.

Entrance Requirements:

Acceptable ASSET or COMPASS score(s)

Type of Program:

Day, night, or online

Type of Degree:

Associate degree

Employment Opportunities:

Technology services companies, internet service providers, insurance companies, hospitals, manufacturing firms, software development companies, other business and industry.

The Computer Technology degree allows students to select an elective track from one of the following concentrations:

- Network Administration
- Programming
- Systems Administration
- The Network Administration track trains students in computer technical support, router configuration and security, network systems administration, Voice Over IP, and network security.
- The Programming track trains students to design and develop web and mobile applications using object-oriented languages and databases, including Microsoft C#, SQL, and ASP, Java, HTML5, CSS, JavaScript, and PHP.
- The Systems Administration track 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 router configuration and maintenance.
- This program requires a minimum grade of "C" in all CPT and IST courses.

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. 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.

Recommended Program Schedule

First Semester

CPT	170	Microcomputer Applications	3.0
CPT	113	Information Systems	3.0
CPT	209	Computer Systems Management	3.0
CPT	257	Operating Systems	3.0
IST	220	Data Communications	3.0
MAT	103	Quantitative Reasoning*	3.0
		or	
MAT	109	College Algebra with Modeling*	
		or	
MAT	120	Probability and Statistics*	
		or higher college transferable math*	

Second Semester

ENG	101	English Composition I*	3.0
CPT	230	C# Programming I	3.0
CPT	267	Technical Support Concepts	3.0
		CPT/IST Elective #1 **	3.0
		CPT/IST Elective #2 **	3.0

Third Semester

IST	272	Relational Database	3.0
CPT	264	Systems and Procedures	3.0
SPC	205	Public Speaking	3.0
		or	
SPC	209	Interpersonal Communications	
		CPT/IST Elective #3 **	3.0
		CPT/IST Elective #4 **	3.0

Fourth Semester

IST	266	Internet and Firewall Security	3.0
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CPT	275	Computer Technology Senior Project	3.0
		CPT/IST Elective #5 **	3.0
		Humanities/Fine Arts Elective *	3.0
		Social Science Elective*	3.0

Total credit hours **63.0**

*General education course

** Student must choose one CPT/IST elective track and complete five (5) courses from that track.

CPT/IST Elective Track: Network Administration Track

Take all five (5) courses:

IST	201	Cisco Networking Concepts	3.0
IST	202	Cisco Router Configuration	3.0
IST	203	Advanced Disco Router Configuration	3.0
IST	204	Cisco Troubleshooting	3.0
IST	295	Fundamentals of Voice Over IP	3.0

CPT/IST Elective Track: Programming Track

Choose 5 (five) courses:

CPT	236	Introduction to JAVA Programming	3.0
CPT	239	Active Server Pages	3.0
		or	
CPT	283	PHP Programming I	
IST	226	Internet Programming	3.0
IST	239	DTML and JavaScript	3.0
IST	278	Database Programming	3.0
		or	
IST	235	Handheld Computer Programming	3.0

CPT/IST Elective Track: Systems Administration Track

Take all five (5) courses:

IST	190	Linux Essentials	3.0
IST	201	Cisco Networking Concepts	3.0
IST	202	Cisco Router Configuration	3.0
IST	257	LAN Network Server Technologies	3.0
IST	258	LAN Directory Services	3.0

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