

CERTIFIED IT PROFESSIONAL, CERTIFICATE - CIT6

This program is designed to help students develop the skills necessary to properly install, configure, upgrade, troubleshoot and repair computer hardware. Students will also learn Windows Server and UNIX operating systems. This program helps prepare students for the CompTIA A+, Network+, Security+, Linux+, and Microsoft certification exams. Students who complete this certificate may continue their education by enrolling in the associate degree program in Computer Technology.

Requirements

Courses	Course Title	Credit Hours
Required Course Information		
CPT 209	Computer Systems Management	3
CPT 247	UNIX Operating System	3
CPT 257	Operating Systems	3
CPT 282	Information Systems Security	3
IST 220	Data Communications	3
IST 241	Network Architecture I	3
IST 256	LAN Desktop Technologies	3
IST 257	LAN Network Server Technologies	3
Subtotal		24
Total Hours		24

Graduation Plan

Fall Start

Course	Title	Hours
First Year		
Fall Semester		
IST 220	Data Communications	3
IST 256	LAN Desktop Technologies	3
IST 257	LAN Network Server Technologies	3
	Hours	9
Spring Semester		
CPT 209	Computer Systems Management	3
CPT 257	Operating Systems	3
IST 241	Network Architecture I	3
	Hours	9
Summer Semester		
CPT 247	UNIX Operating System	3
CPT 282	Information Systems Security	3
	Hours	6
	Total Hours	24

Spring Start

Course	Title	Hours
First Year		
Spring Semester		
CPT 257	Operating Systems	3
IST 220	Data Communications	3
	Hours	6
Summer Semester		
CPT 247	UNIX Operating System	3
CPT 282	Information Systems Security	3
	Hours	6
Fall Semester		
IST 256	LAN Desktop Technologies	3
IST 257	LAN Network Server Technologies	3
	Hours	6
Second Year		
Spring Semester		
CPT 209	Computer Systems Management	3
IST 241	Network Architecture I	3
	Hours	6
	Total Hours	24

Summer Start

Course	Title	Hours
First Year		
Summer Semester		
CPT 209	Computer Systems Management	3
CPT 257	Operating Systems	3
IST 220	Data Communications	3
	Hours	9
Fall Semester		
CPT 247	UNIX Operating System	3
CPT 282	Information Systems Security	3
IST 256	LAN Desktop Technologies	3
IST 257	LAN Network Server Technologies	3
	Hours	12
Spring Semester		
IST 241	Network Architecture I	3
	Hours	3
	Total Hours	24

Application and Advising

If you are ready to start your education, there are a few simple steps involved in enrolling at Piedmont Technical College.

Get Started Today (<https://www.ptc.edu/admissions/new-students/>)

Advising Information

The following information provides a guide for advisors who are helping students enroll in this program.

Program Notes

Students may start this program in any term, but note that not all courses are offered every semester. It is best to follow the established outline of courses as closely as possible (see the semester-by-semester graduation plan).

This program can be completed on a part-time or full-time basis. All courses are offered online.

College policy states that computer coursework is valid for eight years.

Notes About Individual Classes

IST 220 is a prerequisite for IST 256 and IST 257, all of which must be taken in the first semester. Advisors will need to enter an override in Banner for IST 256 and 257.

Student Program Learning Outcomes

Purpose Statement

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Student Learning Outcomes

- Demonstrate the ability to use logical design techniques in creating programs and systems.
- Recognize and describe the personal computer hardware components.
- Install, configure and upgrade personal computer operating systems.
- Apply basic computer literacy concepts.
- Plan, design and construct a working computer network including appropriate Local Area Network (LAN) and Wide Area Network (WAN) connections and protocols.
- Demonstrate the ability to organize data using current computer technology.
- Analyze and resolve security issues in networks and computer systems to secure an IT infrastructure.
- Evaluate and communicate the human role in security systems with an emphasis on ethics, social engineering vulnerabilities, and training.