

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

If students need developmental or transitional classes, they should be taken first.

Student Program Learning Outcomes

Purpose Statement

This certificate is designed to help students develop the skills necessary to properly install, configure, upgrade, troubleshoot and repair computer hardware. Students 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.

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.