Pennsylvania Institute of Technology

Computer Support Engineering

Help everyone stay connected

Achieve your goals fast and efficiently! In two years you can earn your associate degree with our new term schedule!

What is Computer Support Engineering?

The purpose of this STEM-based (Science, Technology, Engineering, and Mathematics) program is to teach students to troubleshoot, upgrade, and repair a variety of computing devices, including desktop computers, laptops, mobile phones, tablets, and wearable technology. Experience intensive hands-on coursework utilizing technical and problem solving skills!

What kind of career can I expect when I graduate?

Most organizations have expanding, complex networks. Upgrading and maintenance of these networks have significantly increased the demand for highly skilled and trained professionals to pursue a career in:

- Computer Upgrading
- Infrastructure Management
- Network Development
- Server Installation and Application
- Help Desk Specialist
- Network Administrator
- Systems Administrator

Where can I go after earning my degree at P.I.T.?

At the completion of this program, students will be prepared to take the certification exams for computer support and network support (A+ Certification and Network+ Certification). P.I.T. launches you into a world of opportunity! You can transfer your associate degree credits to a four-year college or university to pursue your bachelor's degree. You can start working in a Computer Science field of your choice right after graduation or continue your education. P.I.T. prepares you for the next step that is right for YOU!

Why Choose P.I.T. for your Computer Support Engineering Associate Degree?

✓ Intimate Learning Environment & Family Atmosphere

✓ Learn at Your Own Pace with In-Class, Online and Blended learning.

✓ Free Tutoring

✓ Experienced Instructors

✓ Be prepared for you A+ and Network+ Certification

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COMPUTER SUPPORT ENGINEERING (CSE)
Associate in Science A.S.
Recommended Course Sequence

Code	Course (Credits)
SIT203	Basic Office Software Applications (3)
CSC101	Computer Science Fundamentals (3)
CSC102	Computer Systems Architecture (4)
ENG108	English Composition (3)
BME105	AC-DC Electronics (3)
ENG215	Analytical Writing (3)
CSC130	Cybersecurity I (3)
CSC120	Network Fundamentals (4)
CSE201	A+ Hardware & Software (3)
MTH145	College Algebra and Trigonometry (3)
COM108	Communications and Social Interaction (3)
CSE213	PC Support (3)
CSC239	Cyber Law, Ethics and Society (3)
MTH150	Discrete Mathematics I (3)
CSE231	Operating Systems (3)
CSE225	Peripheral Devices (3)
HUM140	Critical Thinking in the Modern Age (3)
BUS113	Introduction to Business (3)
CSE229	Mobile Devices (3)
CSC250	Certification Prep (3)
BUS290	Entrepreneurship and New Ventures (3)

PROGRAM TOTAL: 65

*Prerequisite coursework is required.

NOTE: Additional course(s) may be required based on the results of a placement test.

Course Highlights

CSC120—Network Fundamentals
This course introduces the architecture, structure, functions, components, and models of computer networks. Students learn the principles and structures of IP addressing and the fundamentals of Ethernet and various media, providing a foundation for more advanced network courses. This is the first of four courses preparing students for the CCNA® examination.

CSE—PC Support
This course addresses and recommends strategies for working in a help desk or technology support position. Topics will include hierarchical standards for problem resolution, customer service, timeliness, performance metrics, and managing the troubleshooting process. Practical exercises, including role playing, will assist the student in developing real-world skills.

CSE229—Mobile Devices
This course will explore the ever-broadening category of mobile devices, including cell phones, tablets, and wearables. Students will become familiar with both hardware and software applications that allow these devices to function. Students will have the opportunity to examine the connection between device memory, extendable memory, Bluetooth, and networks.

TUITION INFORMATION

Number of Terms in Program:
Traditional – 7 Terms

Academic or Certification Achievement:
Associate Degree for transfer to university or Employment

Tuition and Fees for Associate Degree Programs
- Tuition: $390 per credit, plus tech fees
- Graduation Fee: $100
- May exclude books and supplies, course or program fees.
  *A detailed breakdown may be obtained in the financial aid office.