Pennsylvania Institute of Technology

A.S. Computer Science

Make computers and smart devices do great new things!

Achieve your goals fast and efficiently! In under two years, earn your Associate Degree with our NEW term schedules.

Why choose P.I.T. for a your Computer Science Degree?

- √ Experienced Instructors
- √ Courses Transfer to other Colleges and Universities
- √ Intimate Learning Environment end Family Atmosphere
- √ Portfolio Building and Interview Coaching
- √ Learn at Your Own Pace with eLearning at P.I.T.
- √ Free Tutoring

What is the Computer Science program?

The associate degree in Computer Science gives you the skills to analyze, design, implement, and maintain software and hardware in a systemic way. It also gives you the opportunity to transfer to a four-year college or university to pursue a more specialized bachelor's degree in the computer science field.

Why is the program beneficial to me?

The computer science field is exploding with potential. Every employer needs professionals who can maximize productivity by developing software solutions.

Highly trained and skilled professionals can pursue a career in:

- Website Development
- Computer Programmer
- Mobile Application Developer
- Software Engineering Specialist
- Systems Analyst
- Systems Design Associate
- Technical Support Specialist

Where can I go after P.I.T.?

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 and pursue your bachelor's degree part time. P.I.T. prepares you for the next step that's right for YOU!

Pennsylvania Institute of Technology

800 Manchester Avenue, Media, PA 19063 | 610-892-1500 | PIT.EDU

COMPUTER SCIENCE (CSC)

Associate in Science (A.S.)

Recommended Course Sequence

Code	Course (Credits)
CSC 110	Programing Fundamentals (3)
CSC 102	Computer Systems Architecture (4)
ENG 108	Composition (3)
MTH 150	Discrete Mathematics I (3)
CSC 103	UNIX (3)
CSC 211*	Web Programming (3)
CSC 213	Database Systems (3)
ENG 215	Analytical Writing (3)
COM 108	Communications and Social Interaction (3)
CSC 215*	Programming Mobile Devices I (3)
CSC 217	Web Programming II (3)
MTH 145	College Algebra and Trigonometry (3)
CSC 205	Full Stack Web Development (3)
CSC 212*	Java I (3)
CSC 218	Programming Mobile Devices II (3)
PSY 109	Human Growth and Development (3)
CSC 214*	Java II (3)
HUM 140	Critical Thinking (3)
_____	Free Elective (3)
CSC 216*	Software Engineering Capstone (3)
CSC 219	Software Engineering Capstone Lab (1)
_____	Free Elective (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

CSC 103—UNIX
Introduction to UNIX using terminal emulation to connect to a Linux server. The most useful UNIX commands are used to explore, create, search directories and files, and set permissions. Useful shell scripts are written for administrative tasks using several editors. Various shells are explored, as well as administrative tools, such as AWK and grep.

CSC 214—Java II
Students create GUI-based applications in this Java course using Swing components and write code to handle events and exceptions. Students refine their abstraction skills for building logical, maintainable classes, collaborate in designing multi-threaded network apps, and use databases for storage and manipulation and built-in tools of an IDE to troubleshoot.

CSC 215—Program Mobile Devices
This course is approached by designing web applications specifically optimized for mobile devices and made native for multiple platforms using a third party converter, such as PhoneGap or Sencha. Native Android apps are then developed directly using Java with the Android Development Tools (ADT) for the Eclipse IDE.

TUITION INFORMATION

Number of Terms in Program
Traditional – 7 Terms

Academic or Certification Achievement
Associate Degree for transfer to university or for employment

Tuition and Fees for Associate Degree Programs

- Tuition: $380 per credit hour, plus tech fees
- Graduation Fee: $100
- Excludes books and supplies