

# Discover Technology



[itagpa.org](http://itagpa.org) • [steminnovationpa.org](http://steminnovationpa.org)



The Innovative Technology Action Group (ITAG) is an initiative of the Chester County Economic Development Council (CCEDC) and is funded in part by the private sector and the Chester County Workforce Development Board (WDB).

# Top Careers\*

## COMPUTER PROGRAMMERS

**Average Salary** .....\$82,240

Computer programmers create, modify, and test the code, forms, and script that allow computer applications to run. They work from specifications drawn up by software developers or other individuals. They may assist software developers by analyzing user needs and designing software solutions.

## COMPUTER SYSTEMS ANALYST

**Average Salary** .....\$88,270

Computer system analysts evaluate science, engineering, and business processing problems to improve systems. They use code to develop testing procedures, and quality standards, to improve processing capabilities.

## DATABASE ADMINISTRATORS

**Average Salary** .....\$87,020

Database Administrators administer, test, and implement computer databases, applying knowledge of database management systems. They also may plan, coordinate, and implement security measures to safeguard computer databases.

## INFORMATICS NURSE SPECIALISTS

**Average Salary** .....\$88,270

Informatics Nurse Specialists design and develop computerized health care systems by applying nursing knowledge and computer information systems. They also analyze and interpret patient and nursing data to improve nursing services.



## INFORMATION SECURITY ANALYSTS

**Average Salary** .....\$95,510

Security analysts implement, upgrade, and monitor security measures to protect computer networks and information. They also review violations of computer security as well as monitor current reports of computer viruses.

## IT PROJECT MANAGERS

**Average Salary** .....\$88,510

IT Project Managers develop and execute IT projects including technologies, systems, and management of funding and staffing. These managers work in both technical management aspects and business management.

## NETWORK AND COMPUTER SYSTEMS ADMINISTRATORS

**Average Salary** .....\$81,100

These administrators install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. They monitor the network to ensure network availability to all system users and may perform necessary maintenance to support network availability.

## APPLICATIONS SOFTWARE DEVELOPERS

**Average Salary** .....\$101,790

Application Software Developers develop, create, and modify general computer applications software or specialized utility programs. They analyze user needs and develop software solutions as well as design software or customize software for client use with the aim of optimizing operational efficiency.

## SYSTEMS SOFTWARE DEVELOPERS

**Average Salary** .....\$107,600

System software developers research, design, develop, and test operating system software for medical, industrial, military, communications, aerospace, business, and scientific applications. They apply principles and techniques of computer science, engineering, and mathematical analysis.

## WEB ADMINISTRATORS

**Average Salary** .....\$88,510

Web administrators manage web design, development, and maintenance activities while performing testing and quality assurance of web applications. They monitor systems for intrusion and implement web site security measures.



\* Source: Onetonline.org