

# COMPUTER OPERATIONS AND SECURITY SPECIALIST



## What does a Computer Operations and Security Specialist do?

Computer Operations and Security Specialists provide help and advice to computer users and organizations. These specialists either support computer networks or they provide technical assistance directly to computer users. Computer Information Specialists analyze, troubleshoot, and evaluate computer network problems. They play an important role in the routine maintenance of their organization's networks, such as performing file backups on the network.

## How will Asher College prepare me for this career?

The computer industry continues to demand educated IT professionals. Asher College provides students with knowledge for their field including:

- PC Repair
- Building, upgrading, maintaining, diagnosing and troubleshooting computer hardware & software
- Solving system and network connectivity issues
- Designing, implementing, and managing network infrastructure
- Understanding and implementing network security fundamentals and practices
- How to install, configure, and maintain a Windows Operating System in stand-alone, workgroup, and domain environments
- Anticipating security flaws in cloud infrastructures and mitigating them before incidents occur, by adopting a defense-in-depth strategy with robust security protocols to protect resources
- Configuring, managing, operating, and troubleshooting Linux on-premises and cloud-based server environments, while using security best practices, scripting, containerization, and automation

## What characteristics are important in this field?\*

- **Analytical skills:** Administrators need to evaluate networks and systems to make sure that they perform reliably and to anticipate new requirements as customers' needs change.
- **Communication skills:** Administrators must describe problems and their solutions to non-IT workers.
- **Multitasking skills:** Administrators may have to work on many problems and tasks at the same time.
- **Problem-solving skills:** Administrators must quickly resolve problems that arise with computer networks.

## What are the job opportunities in this Career?

The Computer Operations and Security Specialist certification is appropriate for job roles including:

- Help Desk
- PC Support Technician
- Jr. Data Center Technician
- IT Support Specialist
- Network Repair Technician
- Desktop Support

## What is the Salary Potential and the job outlook in this field?

Asher College provides career-training programs for entry and mid-level positions. Salaries vary depending on geographical location, economic conditions, and willingness to relocate. Salaries by occupation and specific location can be found at [www.onetonline.org](http://www.onetonline.org). National figures for labor market activity, working conditions, and price changes in the economy are available at [www.bls.gov/ooh/](http://www.bls.gov/ooh/) or you can visit the campus career services department to learn where Asher graduates work and the beginning salaries in their respective careers.

## What is the job outlook for the next 10 years?\*

Employment in this industry is projected to grow 6 percent from 2021 to 2031, much faster than the average for all occupations. More support services will be needed as organizations upgrade their computer equipment and software. Computer support staff will be needed to respond to the installation and repair requirements of increasingly complex computer equipment and software.

## What are the typical working hours for this career?\*

Most Computer Operations and Security Specialists work full time. Organizations depend on their computers, so specialists may need to work overtime to ensure that the networks are operating properly around the clock.



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| ASHER ID | COURSE NAME                      | CERTIFICATION EXAM OR SKILL |
|----------|----------------------------------|-----------------------------|
| PCS110   | PC Support Level 1               | CompTIA A+ Part 1 of 2      |
| PCS111   | PC Support Level 2               | CompTIA A+ Part 2 of 2      |
| NET103   | Introduction to Networking       | CompTIA Network+            |
| MOS102   | Windows OS                       | Skill Development           |
| SEC102   | Network and Operational Security | CompTIA Security+           |
| CD101    | Career Success                   | Soft Skill Development      |
| CD201    | Advanced Career Development      | Soft Skill Development      |
| VMW101   | Introduction to VMWare           | Skill Development           |
| TF100    | Typing Fundamentals              | Skill Development           |
| CFO100   | Cloud Fundamentals               | Skill Development           |
| OSL200   | Administering Linux              | CompTIA Linux+              |

## What Certification and Exam options do I have with this program?

CompTIA A+  
CompTIA Network+  
CompTIA Security+  
CompTIA Linux+



## Earn the following credentials by stacking multiple CompTIA certifications:

Infrastructure Specialist – **CIOS** – **CompTIA IT Operations Specialist** (A+ and Network+)  
Cybersecurity Specialist – **CSIS** – **CompTIA Secure Infrastructure Specialist** (A+ and Network+ and Security+)  
Infrastructure Specialist – **CSSS** – **CompTIA Systems Support Specialist** (A+ and Linux+)  
Infrastructure Professional – **CLNP** – **CompTIA Linux Network Professional** (Network+ and Linux+)



## How long will it take to complete my education?

**Full time** = 12 months (24 hours per week)

**¾ time** = 16 months (18 hours per week)

**Half Time** = 23 months (12 hours per week)

Program Accredited By:



**Program includes: books, tuition, certification exams, tutoring, and career service assistance.**

\*CA Students are also subject to Student Tuition Recovery Fund (STRF) fees from the California Bureau for Private and Postsecondary Education (BPPE).

For more information on our programs, our catalogs can be viewed at <https://asher.edu/disclosures/>

**www.Asher.edu**

### DALLAS

9330 Lyndon B. Johnson Fwy, Ste. 650  
Dallas, TX 75243 • 970-600-2818

### LAS VEGAS

6029 W Charleston Blvd  
Las Vegas, NV 89146 • 702-323-0853

### SACRAMENTO

1215 Howe Ave  
Sacramento, CA 95825 • 916-900-2850