# CompTIA Server+ Certification

**Days:** 5

**Description:** This course provides the basic knowledge needed to assemble, install, maintain, and troubleshoot modern servers in a vendor-neutral format; this includes physical components and technologies, operating systems and networking, security controls, and troubleshooting. This course maps to the CompTIA Server+ certification exam SK0-005.

**Prerequisites:** Knowledge equivalent to the CompTIA A+ certification is helpful but not necessary.

**Audience:** This course assumes you have basic knowledge of using and maintaining individual workstations.

**OUTLINE:**

## CHAPTER 1: SERVER HARDWARE

- Module A: Form factors and racking
- Module B: Server components
- Module C: Server power

## CHAPTER 2: HARDWARE TROUBLESHOOTING

- Module A: The troubleshooting process
- Module B: Common hardware problems
- Module C: Hardware tools and techniques

## CHAPTER 3: OPERATING SYSTEMS, ROLES, AND VIRTUALIZATION

- Module A: Operating systems
- Module B: OS installation
- Module C: Server roles and capabilities
- Module D: Server virtualization

## CHAPTER 4: SERVER MAINTENANCE AND TROUBLESHOOTING

- Module A: Hardware maintenance
- Module B: Software troubleshooting
- Module C: Asset and document management

## CHAPTER 5: SERVER ADMINISTRATION

- Module A: Administrative methods
- Module B: Monitoring
- Module C: Operations scripting

## CHAPTER 6: STORAGE TECHNOLOGIES

- Module A: Storage solutions
- Module B: Storage planning and management
- Module C: Storage troubleshooting

## CHAPTER 7: SERVER NETWORK CONNECTIONS

- Module A: Communication models
- Module B: Networking hardware
- Module C: Network cabling

## CHAPTER 8: NETWORK COMMUNICATIONS

- Module A: Network addresses
- Module B: Address resolution and assignment
- Module C: Network storage

## CHAPTER 9: TROUBLESHOOTING NETWORKING PROBLEMS

- Module A: Network connectivity tools
- Module B: Troubleshooting connectivity

## CHAPTER 10: SERVER SECURITY FUNDAMENTALS

- Module A: Server security principles
- Module B: Identity and access management
- Module C: Data security

## CHAPTER 11: SECURING THE SERVER

- Module A: Physical environment and security
- Module B: Server hardening
- Module C: Security tools and techniques
- Module D: Common security problems

## CHAPTER 12: DISASTER PLANNING AND RECOVERY

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- Module A: High availability
- Module B: Disaster recovery
- Module C: Backups and restores

- Module D: Server decommissioning

**APPENDIX A: GLOSSARY**