Cisco Networking Academy

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Cisco Overview

We build bridges between hope and possibility

Founded in 1984 in San Francisco

78,430 Employees
60,000 Partners

#1 or #2 in most market segments we serve

274 Offices Globally

51.6B FY22 Revenue

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~30 Global Inclusive Communities and growing

Employees can join multiple communities as members and allies to grow, learn and lead.
Type of Roles We Hire

Technical roles
- Software Engineer Intern
- Software Engineer
- Associate Solutions Engineer
- Network Engineer / Network Support Engineer Intern
- Network Engineer
- Apprenticeship Program (Technical Track)

Non-Technical roles
- Marketing Specialist Intern
- Associate Sales Representative
- Business / Data Analyst Intern
- Business / Data Analyst
- Apprenticeship Program (Sales Track)

Find all roles at jobs.cisco.com
Explore, collaborate, and build career aspirations with Discover Cisco—a unique platform that connects you with people across the globe.

Find information for the sessions on:

Cisco Networking Academy

95% of students completing certification-aligned courses attribute their participation in Networking Academy to obtaining a job and/or education opportunity.

- 3.90M students
  - 20.5M since inception
- 27% Female participation since inception
- 11,700 Academies
- 1,000+ Employers
- 3.7M new jobs since 2005
- 190 countries

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# A Closer Look at the Curriculum

## Networking
- Networking Essentials
  - Networking Basics
  - Networking Devices and Initial Configuration
  - Network Addressing and Basic Troubleshooting
  - Network Support and Security
- CCNA: Introduction to Networks
- CCNA: Switching, Routing, and Wireless Essentials
- CCNA: Enterprise Networking, Security, & Automation
- CCNP Enterprise: Core Networking
- CCNP Enterprise: Advanced Routing

## Cybersecurity
- Introduction to Cybersecurity
- Cybersecurity Essentials
  - Endpoint Security
  - Network Defense
  - Cyber Threat Management
- CyberOps Associate
- Network Security
- Ethical Hacker

## Data Science
- Introduction to Data Science
- Data Analytics Essentials

## Operating Systems & IT
- Computer Hardware Basics
- Operating System Basics
- IT Essentials
- Linux Unhatched
- Linux Essentials
- Linux I
- Linux II

## Automation
- DevNet Associate
- Workshop: Model-Driven Programmability

## Programming
- PCAP: Programming Essentials in Python
  - Python Essentials 1
  - Python Essentials 2
- JavaScript Essentials 1
- CLA: Programming Essentials in C
- CPA: Programming Essentials in C++
- CLP: Advanced Programming in C
- CPP: Advanced Programming in C++
- Workshop: Experimenting with REST APIs

## Digital Literacy
- Get Connected
- Introduction to IoT and Digital Transformation

## Professional Skills
- English for IT
  - English for IT 1
  - English for IT 2
- Core Skills
  - Engaging Stakeholders for Success
- Entrepreneurship
  - Discovering Entrepreneurship

## Practice
- Cisco Packet Tracer
  - Getting Started with Cisco Packet Tracer
  - Exploring Networking with Cisco Packet Tracer
  - Exploring IoT with Cisco Packet Tracer
- Additional Tools
  - Virtual labs
  - Remote accessible labs
  - Gamification
  - Physical equipment
  - Assessments
Adding More Value for Learners

1. Prepare for real, well-paying jobs
   - Top-notch, practical curriculum from the world’s top networking & cybersecurity company, designed with the end in mind: the skills required for success in a job role
   - Earn industry certifications that employers value, validating you have vendor-neutral, transferable skills to work anywhere
   - Get set up for success with career resources and job matching

2. Build confidence with practical, hands-on skills
   - Gain industry-relevant skills with real-world curriculum and hands-on, game-based, fun learning experiences
   - Get ample practice and hone your problem-solving skills with hands-on & virtual labs, projects, and practice experiences

3. Personalized learning for career journeys
   - Whether curious about tech or ready to build a career, learners can find their fit with introductory to advanced courses across foundational tech topics like cybersecurity, networking, IT infrastructure, programming, and data science
   - Learners can choose the learning style right for them with flexible course delivery options (in-person, remote, and hybrid)
   - Learning experiences tailored for each individual with just-in-time adaptive learning, coupled with game-based learning to make it fun!
Career Path

- College
- Odd Jobs
- Supermarket
- University
- Warehouse
- Network Engineer
Courses Taken: Cybersecurity

- Introduction to Cybersecurity
- Cybersecurity Essentials
- Network Security
- CyberOps Associate

- Aware of physical, logical, and social aspects of security
- Business processes around security
  - Business Continuity Plans
  - Playbooks
  - Policies
- Able to harden network infrastructure against attacks
Courses Taken: Others

• Linux Essentials
• Programming Essentials in Python

• Basic usage and administration of Linux systems
• Scheduling of scripts
• Thorough understanding of Python language
• (inc. Cybersecurity) tie in tools to monitor and report network
Courses Taken: Networking

- CCNA: Introduction to Networks
- CCNA: Switching, Routing, and Wireless Essentials
- CCNA: Enterprise Networking, Security, & Automation

- Knowledge up to CCENT (similar to CCST)
- Able to configure and manage entire networks
- Understanding of how each appliance contributes to the network
How NetAcad has benefited me

- Prolonged, self-paced study
- Mixture of reading, videos, labs for learning
- Wide range of topic covered
- Badges, certificates, and discounts for completion
Usage in my role: Firefly

- Firefly is a network assurance automation for circuit outages
  - Automation entirely written in Python
  - Hosted on a Linux server
  - Used secure APIs and design practices
  - Digested data from NMS
  - Connected to and ran IOS commands on devices
The Importance of Networking

A network is anything that connects two or more things together.

Without networking, nothing can communicate.

Computing advancements rely on network foundations.