Cisco Networking Academy

Course Portfolio

Required prior knowledge | Recommended prior knowledge | Aligns to Certification | Aligns to Job Role | Self-paced course | Instructor-led course

Entry-level | Associate-level | Professional-level

Networking

- Introduction to IoT and Digital Transformation
- Networking Essentials
- Networking Basics → Networking Devices and Initial Configuration → Network Addressing and Basic Troubleshooting → Network Support and Security
- Network Technician Career Path
  - Cisco Certified Support Technician (CCST) Networking
  - Network Technician
- CCNA: Introduction to Networks → CCNA: Switching, Routing, and Wireless Essentials → CCNA: Enterprise Networking, Security, and Automation
  - Cisco Certified Network Associate (CCNA)
  - Network Engineer
- DevNet Associate
  - Cisco Certified DevNet Associate
  - DevOps Engineer
- Industrial Networking Essentials (Self-Paced Through an Academy) → Industrial IoT and Control Systems in Energy (Self-Paced Through an Academy) → Industrial IoT and Control Systems in Manufacturing (Self-Paced Through an Academy)
- CCNP Enterprise: Advanced Routing → CCNP Enterprise: Core Networking
  - Cisco Certified Specialist – Advanced Infrastructure Implementation
  - Cisco Certified Specialist – Enterprise Core
  - CCNP Enterprise
  - Network Administrator

Cybersecurity

- Introduction to Cybersecurity
- Cybersecurity Essentials
- Endpoint Security → Network Defense → Cyber Threat Management
- Junior Cybersecurity Analyst Career Path
  - Cisco Certified Support Technician (CCST) Cybersecurity
  - Junior Cybersecurity Analyst
- CyberOps Associate
  - Cisco Certified Cybersecurity Associate
  - Security Operations Center (SOC) Analyst
- Ethical Hacker
  - Cisco Certificate in Ethical Hacking
  - Ethical Hacker or Penetration Tester
- Network Security
  - Network Security Engineer
- Industrial Cybersecurity Essentials (Self-Paced Through an Academy)
  - OT Cybersecurity Technician

Programming

- Python Essentials 1
  - PCEP – Certified Entry-level Python Programmer
  - Junior Programmer or Software Developer
- Python Essentials 2
  - PCAP – Certified Associate in Python Programming
  - Programmer or Software Developer
- JavaScript Essentials 1
  - JSE – Certified Entry-Level JavaScript Programmer
  - Junior Programmer or Software Developer
- JavaScript Essentials 2
  - JSA – Certified Associate JavaScript Programmer
  - Programmer or Software Developer
- C++ Essentials 1
  - CPE – C++ Certified Entry-Level Programmer
  - Junior Programmer or Software Developer
- C++ Essentials 2
  - CPE – C++ Certified Associate Programmer
  - Programmer or Software Developer
- C++ Advanced
  - CPP – C++ Certified Professional Programmer
  - Programmer or Software Developer
- C Essentials 1
  - CLA – C Certified Entry-Level Programmer
  - Junior Programmer or Software Developer
- C Essentials 2
  - CLA – C Certified Associate Programmer
  - Programmer or Software Developer
- C Advanced
  - CLP – C Certified Professional Programmer
  - Programmer or Software Developer
- HTML Essentials → CSS Essentials
  - WDE – Certified Entry-Level Web Developer
  - WDA – Certified Associate Web Developer

AI & Data Science

- Introduction to Data Science → Data Analytics Essentials
- Data Science Essentials with Python
- Introduction to Modern AI
- AI Fundamentals with IBM SkillsBuild
- AI with Intel Learning Collection
- Apply AI: Analyze Customer Reviews
- Apply AI: Update Your Resume

Information Technology

- Computer Hardware Basics
- Operating System Basics
- IT Customer Support Basics
- Operating Systems Support
- IT Essentials
  - CompTIA A+
  - Help Desk Technician
- Security and Connectivity Support
- Hardware Upgrade and Support
- IT Support Essentials
- Linux Unhatched
- Linux Essentials
  - Linux Professional Institute Linux Essentials
  - IT Technical Support
- Linux 1 → Linux 2
  - Linux Professional Institute LPIC-1
  - IT Administrator

Digital Literacy

- Digital Awareness
- Using Computer and Mobile Devices
- Create Digital Content, Communicate, and Collaborate Online
- Digital Safety and Security Awareness

Professional Skills

English for IT

- English for IT B1+/GSE 43-58
- English for IT 1 → English for IT 2
  - English for IT B2/GSE 59-75
- English for IT: Describing & Comparing
- English for IT: Advice & Time
- English for IT: Needs & Responsibilities
- English for IT: People & Quantities
  - English for IT B1/GSE 36-49

Core Skills

- Engaging Stakeholders for Success
- Creating Compelling Reports

Entrepreneurship

- Discovering Entrepreneurship → Launching a Business Venture → Managing a Business Venture

Career Resources

- Career Preparation Workshop

Cisco Packet Tracer

- Getting Started with Cisco Packet Tracer
- Exploring IoT with Cisco Packet Tracer
- Exploring Networking with Cisco Packet Tracer

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