Set a Path to Success in IT Networking

Cisco Certifications help you launch and advance your IT Networking career.
Choose a career path that meets your goals for professional and financial rewards.

	Network Engineer	Storage Network Engineer	Datacenter Engineer	Network Security Engineer	Voice Network Engineer	Wireless Network Engineer	Service Provider Network Engineer	Service Provider Operations Engineer	Network Designer/Architect
ARCHITECT									**CCAr®** Required exams: CCAr Board Exam Recommended preparation: Refer to CCAr exam syllabus on the Cisco Learning Network Prerequisites: CCDE certification
EXPERT	**CCIE® Routing and Switching** Required exams: CCIE R&S Written Exam 350-001 and CCIE R&S Lab Exam Recommended preparation: Cisco 360 Learning Program for CCIE R&S Years of experience: Minimum 7 years of job experience	**CCIE SAN** Required exams: CCIE Storage Networking Written Exam 350-040 and CCIE Storage Networking Lab Exam Recommended preparation: Contact your local Cisco Authorized Learning Partner Years of experience: Minimum 7 years of job experience	**CCIE Datacenter** Required exams: CCIE Datacenter Written Exam 350-080 and CCIE Datacenter Lab Exam Recommended preparation: Contact your local Cisco Authorized Learning Partner Years of experience: Minimum 7 years of job experience	**CCIE Security** Required exams: CCIE Security Written Exam 350-018 and CCIE Security Lab Exam Recommended preparation: Contact your local Cisco Authorized Learning Partner Years of experience: Minimum 7 years of job experience	**CCIE Voice** Required exams: CCIE Voice Written Exam 350-030 and CCIE Voice Lab Exam Recommended preparation: Cisco 360 Learning Program for CCIE Voice Years of experience: Minimum 7 years of job experience	**CCIE Wireless** Required exams: CCIE Wireless Written Exam 350-050 and CCIE Wireless Lab Exam recommended Recommended preparation: Contact your local Cisco Authorized Learning Partner Years of experience: Minimum 7 years of job experience	**CCIE Service Provider** Required exams: CCIE Service Provider Written Exam 350-029 and CCIE Service Provider Lab Exam Recommended preparation: Contact your local Cisco Authorized Learning Partner Years of experience: Minimum 7 years of job experience	**CCIE SP Operations** Required exams: CCIE SP Operations Written Exam 350-060 and CCIE SP Operations Lab Exam Recommended preparation: Contact your local Cisco Authorized Learning Partner Years of experience: Minimum 7 years of job experience	**CCDE®** Required exams: CCDE Written Exam 352-001 and CCDE Practical Exam Recommended preparation: Contact your local Cisco Authorized Learning Partner Years of experience: Minimum 7 years of job experience
PROFESSIONAL	**CCNP®** Required exams: 642-902 (ROUTE), 642-813 (SWITCH), and 642-832 (TSHOOT) Recommended training: Implementing Cisco IP Routing (ROUTE), Implementing Cisco Switched Networks (SWITCH), and Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) Prerequisite: CCNA or any CCIE is required			**CCNP Security** Required exams: 642-637(SECURE), 642-618 (FIREWALL), 642-627 (IPS), 642-648 (VPN) Recommended training: Secure v1.0 Securing Networks with Cisco Routers and Switches (SECURE), Deploying Cisco ASA Firewall Solutions (FIREWALL), Implementing Cisco Intrusion Prevention System (IPS), Deploying Cisco ASA VPN Solutions (VPN) Prerequisite: Valid CCNA Security or valid CCSP® or valid CCNA + SND or any CCIE is required	**CCNP Voice** Required exams: 642-437 (CVOICE), 642-447 (CIPT1), 642-457 (CIPT2), 642-467 (CAPPS), 642-427 (TVOICE) Recommended training: Implementing Cisco Voice Communications and QoS (CVOICE). Implementing Cisco Unified Communications Manager, Part 1 (CIPT1), Implementing Cisco Unified Communications Manager, Part 2 (CIPT2), Integrating Cisco Unified Communications Applications (CAPPS) Troubleshooting Cisco Unified Communications (TVOICE) Prerequisite: CCNA Voice or any CCIE is required	**CCNP Wireless** Required exams: 642-732 (CUWSS), 642-742 (IUWVN), 642-747 (IUWMS) and 642-737 (IAUWS) Recommended training: Conducting Cisco Unified Wireless Site Survey (CUWSS), Implementing Cisco Unified Wireless Voice Networks (IUWVN), Implementing Cisco Unified Wireless Mobility Services (IUWMS), and Implementing Advanced Cisco Unified Wireless Security (IAUWS) Prerequisite: CCNA Wireless or any CCIE is required	**CCNP SP** Required exams: 642-883 (SPROUTE), 642-885 (SPADVROUTE), 642-887 (SPCORE), 642-889 (SPEDGE) Recommended training: Deploying Cisco Service Provider Network Routing (SPROUTE), Deploying Cisco Service Provider Advanced Network Routing (SPADVROUTE), Implementing Cisco Service Provider Next-Generation Core Network Services (SPCORE), Implementing Cisco Service Provider Next-Generation Edge Network Services (SPEDGE) Prerequisite: Valid CCNA Service Provider, or valid CCNA (R&S) plus must have passed minimum of 1 CCIP exam (QOS, BGP, MPLS, BGP+MPLS, ROUTE, BSCI), or valid CCIP, or any CCIE certification	**CCNP SP Ops** Required exams: 642-770 (OFCN), 642-775 (MSPRP), 642-780 (MSPVM), 642-785 (MSPQS) Recommended training: Operational Foundations for Cisco Service Provider Core Networks (OFCN), Maintaining Cisco Service Provider Routing Protocols (MSPRP), Maintaining Cisco Service Provider VPNs and MPLS Networks (MSPVM), Maintaining Cisco Service Provider Quality of Service (MSPQS) Prerequisites: CCNA SP Operations or any CCIE is required	**CCDP®** Required exams: 642-902 (ROUTE), 642-813 (SWITCH), 642-874 (ARCH) Recommended training: Implementing Cisco IP Routing (ROUTE), Implementing Cisco IP Switched Networks (SWITCH), Designing Cisco Network Service Architectures (ARCHv2.1) Prerequisite: Valid Cisco CCDA and CCNA certifications or a Cisco CCIE certification in any track can act as a prerequisite
ASSOCIATE	**CCNA Security** Required exams: 640-554 (IINS) Recommended training: Implementing Cisco IOS Network Security (IINS) Prerequisite: Valid CCNA or any CCIE certification can act as a prerequisite				**CCNA Voice** Required exams: 640-461 (ICOMM) Recommended training: Introducing Cisco Voice and Unified Communications Administration (ICOMM) Prerequisite: Valid CCNA or any CCIE certification can act as a prerequisite	**CCNA Wireless** Required exams: 640-722 (IUWNE) Recommended training: Implementing Cisco Unified Wireless Networking Essentials (IUWNE) Prerequisite: Valid CCNA or any CCIE certification can act as a prerequisite	**CCNA SP** Required exams: 640-875 SPNGN1 and 640-878 SPNGN2 Recommended training: Building Cisco Service Provider Next-Generation Networks, Part 1 (SPNGN1) and Building Cisco Service Provider Next-Generation Networks, Part 2 (SPNGN2) Prerequisite: No prerequisites however 1-3 years experience working in SP network environment is recommended	**CCNA SP Ops** Required exams: 640-760 (SPPO) Recommended training: Supporting Cisco Service Provider IP NGN Operations (SPPO) Prerequisite: Valid CCENT, or CCNA, or any CCIE Certification can act as a prerequisite	**CCDA®** Required exams: 640-864 (DESGN) Recommended training: Designing for Cisco Internetwork Solutions (DESGN v2.1) Prerequisite: General CCNA-level knowledge, and SWITCH knowledge is assumed
	CCNA® Required exams: 640-802 (CCNA), or 640-822 (ICND1) and 640-816 (ICND2). Recommended training: Interconnecting Cisco Networking Devices Part 1 (ICND1), and Interconnecting Cisco Networking Devices Part 2 (ICND2) Prerequisite: CCENT is recommended								
ENTRY	**CCENT®** Required exams: 640-822 (ICND1) Recommended training: Interconnecting Cisco Networking Devices Part 1 (ICND1) Prerequisite: None								

Required Step

Recommended Step

Enhance Your Core Knowledge with Specialist Certifications

- Collaboration
- Security
- Video
- Data Center
- Operating System Software
- Virtual Classroom Instruction

Make the Next Move

To learn more about Cisco Certifications training and exam requirements, visit the Cisco Learning Network at **www.ciscolearningnetwork.com**.

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