CISCO CAREER CERTIFICATIONS AND PATHS

The internationally respected Cisco Career Certifications program brings valuable and measurable rewards to network professionals, their managers, and the organizations that employ them. With NIL Learning, you can obtain the in-depth knowledge and professional expertise needed to deploy technology in a fast and optimal way, or to achieve the desired Cisco certification level.

	ARCHITECT	CLOUD	COLLABORATION	DATA CENTER	DESIGN	INDUSTRIAL /IOT	ROUTING & SWITCHING	SECURITY	SERVICE PROVIDER	WIRELESS
EXPERT	**CCAR** Required Exam: CCAr Board Exam Recommended Preparation: Refer to CCAr exam syllabus Prerequisites: Valid Cisco CCDE certification can act as a prerequisite, along with a thorough understanding of networking infrastructure principles		**CCIE COLLABORATION** Required Exam: 400-051 CCIE Collaboration Written Exam and CCIE Collaboration Lab Exam Recommended Preparation: Refer to CCIE Collaboration exam syllabus Prerequisites: There are no formal prerequisites for CCIE certification. You are expected to have an in-depth understanding of the topics in the exam blueprints, a minimum of seven years job experience, and a thorough understanding of networking infrastructure principles	**CCIE DATA CENTER** Required Exam: 350-080 or 400-151 CCIE Data Center Written Exam and CCIE Data Center Lab Exam Recommended Preparation: Cisco Data Center CCIE Unified Computing Workshop (DCXUC), Cisco Data Center CCIE Unified Fabric Workshop (DCXUF) Prerequisites: There are no formal prerequisites for CCIE certification. You are expected to have an in-depth understanding of the topics in the exam blueprints and strongly encouraged to have three to five years of job experience before attempting certification	**CCDE** Required Exam: 352-001 CCDE Written Exam and CCDE Practical Exam Recommended Preparation: Refer to CCDE exam syllabus Prerequisites: There are no formal prerequisites for CCDE certification. You are expected to have an in-depth understanding of the topics in the exam blueprints, a minimum of seven years job experience, and a thorough understanding of networking infrastructure principles		**CCIE ROUTING & SWITCHING** Required Exam: 400-101 CCIE Routing & Switching Written Exam and CCIE Routing and Switching Lab Exam Recommended Preparation: Cisco Expert-Level Training for CCIE Routing and Switching Advanced Workshop 1 (CIERS-1), Cisco Expert-Level Training for CCIE Routing and Switching Advanced Workshop 2 (CIERS-2), Implementing Cisco Quality of Service (QOS), Implementing Cisco MPLS (MPLS), IPv6 Fundamentals, Design and Deployment (IP6FD) Prerequisites: There are no formal prerequisites for CCIE Routing and Switching certification. You are expected to have an in-depth understanding of the topics in the exam blueprints and strongly encouraged to have three to five years of job experience before attempting certification	**CCIE SECURITY** Required Exam: 350-018 CCIE Security Written Exam and CCIE Security Lab Exam Recommended Preparation: Refer to CCIE Security exam syllabus Prerequisites: There are no formal prerequisites for CCIE Security certification. You are expected to have an in-depth understanding of the topics in the exam blueprints and strongly encouraged to have three to five years of job experience before attempting certification	**CCIE SERVICE PROVIDER** Required Exam: 400-201 CCIE Service Provider Written Exam and CCIE Service Provider Lab Exam Recommended Preparation: Refer to CCIE Service Provider exam syllabus Prerequisites: There are no formal prerequisites for CCIE Service Provider certification. You are expected to have an in-depth understanding of the topics in the exam blueprints and strongly encouraged to have three to five years of job experience before attempting certification	**CCIE WIRELESS** Required Exam: 400-351 CCIE Wireless Written Exam and CCIE Wireless Lab Exam Recommended Preparation: Refer to CCIE Wireless exam syllabus Prerequisites: There are no formal prerequisites for CCIE Wireless certification. You are expected to have an in-depth understanding of the topics in the exam blueprints and strongly encouraged to have three to five years of job experience before attempting certification
PROFESSIONAL		**CCNP CLOUD** Required exams: 300-504 CLDINF, 300-505 CLDDES, 300-506 CLDAUT, 300-507 CLDACI Recommended Training: Implementing and Troubleshooting the Cisco Cloud Infrastructure (CLDINF), Designing the Cisco Cloud (CLDDES), Automating the Cisco Enterprise Cloud (CLDAUT), Building the Cisco Cloud with Application Centric Infrastructure (CLDACI) Prerequisites: Valid CCNA Cloud certification or any CCIE certification can act as a prerequisite	**CCNP COLLABORATION** Required exams: 300-070 CIPTV1, 300-075 CIPTV2, 300-080 CTCOLLAB, 300-085 CAPPS Recommended training: Implementing Cisco IP Telephony and Video, Part 1 (CIPTV1), Implementing Cisco IP Telephony and Video, Part 2 (CIPTV2), Troubleshooting Cisco IP Telephony and Video (CTCOLLAB), Implementing Cisco Collaboration Applications (CAPPS) Prerequisites: Valid CCNA Collaboration certification or any Cisco CCIE certification can act as a prerequisite	**CCNP DATA CENTER** Required exams: 642-999 DCUCI, 642-997 DCUFI AND 642-998 DCUCD, 642-996 DCUFD or 642-035 DCUCT, 642-980 DCUFT Recommended training: Implementing Cisco Data Center Unified Computing (DCUCI), Implementing Cisco Data Center Unified Fabric (DCUFI), Designing Cisco Data Center Unified Computing (DCUCD), Designing Cisco Data Center Unified Fabric (DCUFD), Troubleshooting Cisco Data Center Unified Computing (DCUCT), Troubleshooting Cisco Data Center Unified Fabric (DCUFT) Prerequisites: Valid Cisco CCNA Data Center certification or any Cisco CCIE certification can act as a prerequisite	**CCDP** Required exams: 300-101 ROUTE, 300-115 SWITCH, 642-874 ARCH Recommended training: Implementing Cisco IP Routing (ROUTE), Implementing Cisco IP Switched Networks (SWITCH), Designing Cisco Network Service Architectures (ARCH) Prerequisites: Valid Cisco CCDA and CCNA Routing and Switching or any Cisco CCIE certification can act as a prerequisite		**CCNP ROUTING & SWITCHING** Required exams: 300-101 ROUTE, 300-115 SWITCH, 300-135 TSHOOT Recommended training: Implementing Cisco IP Routing (ROUTE), Implementing Cisco IP Switched Networks (SWITCH), Troubleshooting and Maintaining Cisco IP Networks (TSHOOT) Prerequisites: Valid CCNA Routing and Switching certification or any CCIE Certification can act as a prerequisite	**CCNP SECURITY** Required exams: 300-206 SENSS, 300-207 SITCS, 300-208 SISAS, 300-209 SIMOS Recommended training: Implementing Cisco Edge Network Security Solutions (SENSS), Implementing Cisco Threat Control Solutions (SITCS), Implementing Cisco Secure Access Solutions (SISAS), Implementing Cisco Secure Mobility Solutions (SIMOS) Prerequisites: Valid CCNA Security or any CCIE certification can act as a prerequisite	**CCNP SERVICE PROVIDER** 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) Prerequisites: Valid CCNA Service Provider, or valid CCNA Routing and Switching plus have passed minimum of 1 CCIP exam (QOS, BGP, MPLS, BGP+MPLS, ROUTE, BSCI), or valid CCIP, or any CCIE certification	**CCNP WIRELESS** Required exams: 642-732 CUWSS, 642-742 IUWVN, 642-747 IUWMS, 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), Implementing Advanced Cisco Unified Wireless Security (IAUWS) Prerequisites: Valid Cisco CCNA Wireless or any Cisco CCIE certification can act as a prerequisite
ASSOCIATE		**CCNA CLOUD** Required Exams: 210-451 CLDFND, 210-455 CLDADM Recommended Training: Understanding Cisco Cloud Fundamentals (CLDFND), Introducing Cisco Cloud Administration (CLDADM) Prerequisites: No prerequisites	**CCNA COLLABORATION** Required exams: 210-060 CICD, 210-065 CIVND Recommended training: Implementing Cisco Collaboration Devices (CICD), Implementing Cisco Video Network Devices, Part 1 (CIVND1), Implementing Cisco Video Network Devices, Part 2 (CIVND2) Prerequisites: No prerequisites	**CCNA DATA CENTER** Required exams: 640-911 DCICN, 640-916 DCICT Recommended training: Introducing Cisco Data Center Networking (DCICN), Introducing Cisco Data Center Technologies (DCICT) Prerequisites: No prerequisites	**CCDA** Required exams: 640-864 DESGN Recommended training: Designing for Cisco Internetwork Solutions (DESGN) Prerequisites: A valid CCENT or a valid CCNA Routing and Switching or any CCIE certification can act as a prerequisite	**CCNA INDUSTRIAL** Required exam: 200-601 IMINS2 Recommended training: Managing Industrial Networking for Manufacturing with Cisco Technologies (IMINS2) Prerequisites: (200-401) Managing Industrial Networks with Cisco Networking Technologies (IMINS) or CCENT or CCNA Routing and Switching, or any valid CCIE certification and (200-601) Managing Industrial Networks for Manufacturing with Cisco Technologies (IMINS2)	**CCNA ROUTING & SWITCHING** Required exams: 200-120 CCNA or 100-101 ICND1, 200-101 ICND2 Recommended training: Interconnecting Cisco Networking Devices: Accelerated (CCNAX) or Interconnecting Cisco Networking Devices Part 1 (ICND1), Interconnecting Cisco Networking Devices Part 2 (ICND2) Prerequisites: No prerequisites	**CCNA SECURITY** Required exams: 210-260 IINS Recommended training: Implementing Cisco Network Security (IINS) Prerequisites: A valid CCENT or a valid CCNA Routing and Switching or any CCIE certification can act as a prerequisite	**CCNA SERVICE PROVIDER** Required exams: 640-875 SPNGN1, 640-878 SPNGN2 Recommended training: Building Cisco Service Provider Next-Generation Networks, Part 1 (SPNGN1), Building Cisco Service Provider Next-Generation Networks, Part 2 (SPNGN2) Prerequisites: No prerequisites	**CCNA WIRELESS** Required exams: 200-355 WIFUND Recommended training: Implementing Cisco Wireless Network Fundamentals (WIFUND) Prerequisites: A valid CCENT or a valid CCNA Routing and Switching or any CCIE certification can act as a prerequisite
ENTRY					**CCENT** **Required exams:** 100-101 ICND **Recommended training:** Interconnecting Cisco Networking Devices Part 1 (ICND1) **Prerequisite:** No prerequisites					

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