CATC
Cisco Academy Training Center

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Cisco Networking Academy Program

Each circle approximates to 70 hours of learning.
Many Pathways and Exit Points

![Diagram showing pathways and exit points for education and careers in networking and IT]

- UNIVERSITY
  - CCNA: Basics, Routing, Switching, WANs
  - CCNP: Advanced Routing, Remote Access, Multi-layer Switching, Troubleshooting
  - Security
  - Wireless

- COLLEGE
  - FUNDAMENTALS: ITE I, ITE II, Panduit NIE

- HIGH SCHOOL
  - Network Installer
  - Basic IT Support
  - System Admin

- CAREERS
  - Enterprise Networking
  - Small and Medium Business Networking
### Primary Goal: Curriculum and Certification Mapping

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Cisco Career Certifications Path

- General
  - Expert
  - Professional
  - Associate
- Focused
  - Specialist
# Cisco Career Certifications Path

## General

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<th>Expert: CCIE</th>
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## Focused

- Security
- IP Communications
- Wireless
- Optical
- Storage Networking
- Content Networking
- Access Routing and LAN Switching
CCNA
Cisco Certified Networking Associate

• CCNA Instructor Fast Track v3 is now available in English, Spanish & Portuguese - Sept ‘05
• New equipment bundles allow Academies to purchase the newest integrated services routers.
• CCNA v3.1 “bug fix” is available
  – Arabic, English, French, German, Hungarian, Japanese, Polish, Portuguese, and Spanish
• Quarterly Errata available in supported languages
  – Help → Curriculum Quality
• Blended Distance Learning (BDL) now available for Student Classes – July ‘05
New CCNA Learning Tools!

- Packet Tracer 4.0 in Beta, to be launched in June/July 2006
- New Binary Game on CCNA Prep Center!
- Optional Skills Review Exams available for CCNA 1-4 in English
- Rich media tasks were added to CCNA 4 English 801 Certification Practice Exam.
  - Flash-based activities that supplement multiple choice questions
  - Patterned after the interactive tasks on certification exams
CCNA Curriculum Updates

• Quarterly Errata available in supported languages
  – Help → Curriculum Quality
Preparing Students for CCNA Certification

• Students may access free CCNA Certification Practice Exams and tools available on the CCNA Prep Center site.

• Rich media tasks are Flash-based activities that supplement multiple choice questions. They are patterned after the interactive tasks on certification exams.

• Please visit the online tutorial for more information about rich media tasks.

CCNA Certification Prep Center

Practice Taking Exams
- Question of the Week
- CCNA Practice Questions
- Introduction to Cisco Networking Technologies (ITRG)
- Interconnecting Cisco Networking Devices (ICND)
- Cisco Exam Prep Center presented by Tech 2000
- Exam Interface Tutorial

Labs and Simulations
- RITO
- Configuring the Cisco 2600 Router from KnowledgeNetJr
- ENNO
- Cisco Remote Lab Exercise from NL
- Configuring VTP/VLANs from KnowledgeNetJr
- Configuring RIP
- Troubleshooting RIP Security Issues
- Configuring an Ethernet Interface
- Configuring Router Passwords
- Configuring a serial interface
- CCNA Simulation Demo
- More Labs...

Related Tools
- Certifications Online Support
- Certification Tracking
- System Tool
- Global Learning Partner Locator
- Cisco Learning Connection Products & Services – Tool Index

Related Links
- Ask the Tech
- Ask the Expert
- Multiplayer Challenge Game
- Live Chat with Customer Service

Participating Learning Solution Partners
- Cisco Learning Partners offer additional exam information, training, and support.
- Asculta
- KnowledgeNetJr
- Elements & NL

Featured Content
- Cisco Binary Game
  - Learn your binary numbers at lightning speed
  - Play the Game

Quick Links
- Help

Advanced Search
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About Cisco
- Cisco Press
CCNA Prep Center

• The CCNA Prep Center includes sample questions, simulations, e-learning modules, labs, tips from CCNA professionals, expert advice, success stories, and other resources to help students prepare for CCNA certification exams.

• The CCNA Prep Center is designed to assist those preparing for the CCNA certification. Although this site contains useful content, it does not cover all the skills and knowledge needed to prepare for CCNA certification exams. Users will need additional information, training, and support to pass the exams.

• A Cisco.com user ID and password are required to access the CCNA Prep Center. Candidates can obtain a Cisco.com user ID by registering at the CCNA Prep Center.
CCNA Prep Center

• Huge resources:
  – Practice Questions
  – Expert Advice
  – Ask cert questions
  – Links to more resources
  – Free labs and Sims
  – Exam Prep
  – Student Feedback
  – Tools & Resources
  – Games
    • For Learning !!
Cisco Certified Networking Professional

• Academy’s CCNP Courses map to Cisco’s CCNP Certification

• The CCNP Certification indicates advanced knowledge of networks
  – Content emphasizes topics including security, converged networks, quality of service (QoS), virtual private networks (VPN) and broadband technologies.
  – CCNPs can install, configure, and troubleshoot local and wide area networks for enterprise organizations with networks from 100 to more than 500 nodes.
CCNP Curriculum Update

• Cisco’s NetAcad is committed to the future and success of its CCNP Courses
• NetAcad’s CCNP will continue to be inline with CCNP Certification and will be inline and updated with any future changes to the CCNP Certification
• Quarterly Errata available
Fundamentals of Wireless LANs
Fundamentals of Wireless LANs

• Focuses on the design, planning, implementation, operation and troubleshooting of Wireless LANs
  – emphasizes topics such as Wireless LAN design, installation, applications, site surveys, security, and troubleshooting
  – Contains a comprehensive overview of technologies, security, and design best practices with particular emphasis on hands-on skills

• Maps to the Cisco Certification Exam 642-582 Wireless LAN for Field Engineers (WLANFE).
Fundamentals of Wireless LANs

Update

- Cisco recently announced Cisco Advanced Wireless LAN Field Specialist exam
  - NetAcad will continue to offer FWL in its current form
  - FWL will continue to map to 542-582
  - 542-582 will continue to exist for NetAcad until December, 2006
Network Security
Network Security

• Focuses on the overall security processes in a network (including design and management)
• Two part course - NS1 & NS2 - which must be taken sequentially
• Map to two security certification exams:
  – 642-502 SNRS - Securing Networks with Cisco Routers and Switches
  – 642-522 SNPA - Securing Networks with PIX and ASA
  – Successful completion of these two exams will grant an Academy student Cisco Firewall Specialist certification
  – Exams can be used toward Cisco’s CCSP Certification
Network Security Update

- Planning minor update to labs
- Quarterly errata sheets (English only)
- Certification: will monitor for changes and update curriculum as necessary
IT Essentials I: PC Hardware and Software

IT Essentials II: Network Operating Systems
IT Essentials I & II Update

- Cisco now directly sponsors ITE I&II and is committed to their success
  - "HP" name and logo is removed from both course titles
  - Full support and functionality remain the same
- ITE1 will be updated to align with new CompTIA A+ certification
  - New cert available mid-2006
  - ITE1 updates to course – date TBD
Physical Network Infrastructure Essentials

- ~60 Academies teaching PNIE in EMEA
- Designed for students interested in the physical aspects of voice and data network cabling and installation
- Prepares students for an entry-level position in the cabling industry
- Maps to Panduit’s PAI/PCT Certification (Panduit Authorized Installer/Panduit Certified Technician)
Physical Network Infrastructure Essentials Update

• Latin American Spanish version to be released in August 2006
• PCT certification and testing center details available in the 15 February headline on Academy Connection
• Academies interested in becoming a Panduit Testing Center for the Panduit Certified Technician (PCT) certification can contact Rob Lee (rkl@panduit.com)
Panduit Certified Technician

- The new Panduit Certified Technician (PCT) certification, which was formerly referenced as Panduit Authorized Installer (PAI), will soon be available for students taking the Panduit Network Infrastructure Essentials (PNIE) course. Panduit plans to roll out its new certification in selected countries in April 2006.
- The certification exam will consist of a written portion as well as a hands-on skills portion with an emphasis on copper cabling. The exam has been developed from, and will map closely to, the PNIE v2.0 course content.
- On March 1, 2006, Academy students will be able to register at the Panduit Website to take the certification exam. Exams will be provided at no charge to students who meet at least one of the following requirements:
  - Are currently enrolled in either the PNIE or FVDC course and are on track to graduate
  - Have completed the PNIE or FVDC course within the past 3 years.
  - Note: PCT testing may not be feasible for all students.
- For the first year of this new certification, Panduit will target their certification efforts toward post-secondary students located near partner companies that are designated as Panduit Certified Installers (PCIs). This focus will match immediately-employable students to available jobs within PCIs.
Panduit Certified Technician

- The PCT certification process will be implemented through the current Academy infrastructure. PNIE Academies will have the opportunity to become PCT Testing Centers, provided they meet the following requirements:
  - Currently offer the PNIE course
  - Located within a 50-mile (80-km) radius of a PCI
  - Have purchased the course equipment bundle from Panduit
  - Can pass a site audit by a Panduit field representative

- Current PNIE Academies interested in becoming PCT Testing Centers should send their Academy Name, PNIE instructor name, and an e-mail address to netacad-pct@external.cisco.com. Panduit will then notify Academies if they meet the criteria.

- Academies certified as PCT Testing Centers will receive the following:
  - A Certified Testing Center Certificate
  - Donated testing kits for exam-takers
  - Registration on Panduit’s global list
  - Introduction to PCIs in their area
  - Assistance from Panduit field personnel to proctor the exams

- Upon successful completion of the PCT certification exam, students will receive the following:
  - A Panduit Certified Technician certificate
  - A letter of congratulations
  - Information on employment opportunities in their area
  - Registration on Panduit’s PCT global list

- For more information about the PCT certification, please visit the Panduit Website on March 1, 2006 at http://www.panduit.com.
Java and UNIX Course
Continuation
Announcement of Java/UNIX Continuation

• Java/UNIX Announcement in July 2005
• Curricula and assessments will be available for as long as they remain relevant and valuable to our Academies.
• Full classroom functionality is available through Academy Connection.
  – No curricular content revisions planned
  – Assessment refreshes will occur if valid issues are reported through the Help link
  – Java assessment refreshes occurred in July 2005
I P T e l – pilot release

• Over the past 18 months, the materials have been trialled with 90 instructors across 22 countries worldwide with, overall, very positive feedback.
• Generally, we have found them to be most appropriate for students of higher education and university sector Academies.
• It should be stressed that this material is not a formal curriculum but a set of learning tools developed to compliment current course teaching.
• The IP Telephony learning package consists of lab exercises and some learning materials taken from Cisco sources. It requires a corresponding lab bundle which is available through resellers with the usual Academy discount.
• The learning materials account for approximately 40 hours of student activity and can be integrated easily into existing course teaching.
IP Tel – pilot release

• Availability of these materials contact the help desk
  — through the communities pages of Academy Connection

• In Europe and Emerging Markets
  — Required Instructor Training to use the new resources
  — “We require academies” to take training to familiarise themselves with the course work and demonstrate competence with the skills activities.

• Trainings to be held with the support of the IP Tel Pilot Academies
IP Telephony Learning Materials

• Supplemental learning materials (English only) to complement current course offerings; not a formal curriculum

• Became available to all Academies 17 April
  – Learning material PDF files
  – Student & Instructor Lab Manual
  – Instructor PPT slides

• Designed for students that are CCNA certified or have completed CCNA 1-4
Blended Distance Learning (BDL)

- CCNA or CCNP Academy.
  - Recommend Academy and Instructor(s) have successfully offered the class in the in-person environment first.

- Site must demonstrate understanding of what is required to teach and support distance learning
  - Recommend Academy already has a distance education infrastructure and can assure training for Instructor(s) on effective teaching via that infrastructure.

- All courses have a blended component; at a minimum, a proctored online final exam.
CCNA – Recommended models

• CCNA 1: 24 hours in-person hands-on; building cables; interconnecting PCs, hubs, switches, and routers; small wiring projects, proctored skills exam and online final
• CCNA 2: 16 hours in-person hands-on: building small networks. Skills exam on NetLab permitted if student had practice with in person labs during course and/or previous course; otherwise, proctored skills exam.
• CCNA 3: 8 hours-in person hands-on: dealing with the advanced routing protocols and the switch topologies. Skills exam on NetLab permitted if student had practice with in person labs during course and/or previous CCNA courses; otherwise, proctored skills exam.
• CCNA 4: 8 hours-in person hands-on: dealing with WAN protocols. Skills exam permitted if student had practice with in person labs curing course and/or previous CCNA course; otherwise, proctored skills exam.
CCNP Intermediate / Advanced

- CCNP 1: 8 hours in-person hands-on to focus on key labs and skills. Skills exam on NETLAB permitted.
- CCNP 2: 8 hours in-person hands-on to focus on key labs and skills. Skills exam on NETLAB permitted.
- CCNP 3: 8 hours in-person hands-on to focus on key labs and skills. Skills exam on NETLAB permitted.
- CCNP 4: 8 hours in-person hands-on to focus on key labs and skills. Skills exam on NETLAB permitted.
- All online final exams must be done in proctored environment. If proctored by someone other than the course instructor, proctor qualifications and authentication process must be defined.
- Recommend an in-person final exam with the instructor or responsible proctor. Proctoring process is left up to the educational institution.
BDL

• Selection process
  – Document requirements
  – Send documents to AAM (Nuno Guarda) and to the CATC (Gabriel Fuster)
New Bundles

• New bundles
  – CCNA
  – CCNP
  – NS
  – FWL
  – IPT

• Request prices from your distributors
Bundles CCNA

• Standard Bundle
  – 6 x CISCO1841 - Cisco 1841 Router
  – 3 x WS-C2950-24 - Cisco standard 2950 24 port switch SI
  – 6 x WIC-2A/S - WIC card with 2 Async Serial ports

• Standard Rackmountable
  – 6 x CISCO2801 - Cisco 2801 Router

• Premium Bundle
  – 2 x CISCO2811
  – 4 x CISCO2801
  – 3 x WS-C2950T-24 - Cisco 2950 T 2x10/100/1000 ports 24 port switch - EI
Bundles CCNA

• Experience Bundle
  – 3 x CISCO831-K9-64
  – 1 x WS-C2950-12

• Standard Upgrade
  – 1 x CISCO1841
  – 2 x WS-C2950-24
  – 1 x WIC-2A/S

• Standard Rackmountable upgrade
  – 1 x CISCO2801

• Premium Upgrade
  – 1 x CISCO2811
  – 2 x WS-C2950T-24
Bundles CCNA

• POD Bundle
  – 2 x CISCO1841
  – 2 x WIC-2A/S
  – 1 x WS-C2950-24

• ISDN Bundle (EU)
  – 4 x WIC-1B-S/T - 1-Port ISDN WAN Interface Card

• ISDN Bundle (EU) – ISR
  – 4 x WIC-1B-S/T-V3

• WIC Replacement Bundle
  – 4 x WIC-2A/S
Bundles CCNP

• Standard Bundle (EU)
  – 3 x CISCO2811
  – 6 x CISCO1841
  – IOS ADVANCED IP SERVICES (BGP compatible)
  – 6 x WIC-2A/S
  – 3 x WIC-2T - 2-Port Sync Serial WAN Interface Card
  – 4 x WIC-1B-S/T
  – 1 x NM-1CE1T1-PRI - 1-Port Channelized E1/T1/ISDN-PRI Network Module
  – Cables BNC, Serial y RS-232 Cable, DTE Male to Smart Serial.
Bundles CCNP

• Premium Bundle
  – 6 x CISCO2801
  – IOS Enterprise IP SERVICES

• Switch Block Bundle C
  – 3 x WS-C3560-24TS-E - Cisco 3560 switch
  – 6 x WS-C2950T-24
  – 6 x GLC-T - 1000BASE-T GBIC

• Switch Block Bundle E
  – 1 x WS-C3560-24TS-E
  – 2 x WS-C2950T-24
  – 2 x GLC-T

• Router Upgrade Bundles
  – 2600
    • 3 x 2600 IOS ENT/FW/IDS PLUS IPSEC 3DES upgrade
    • 3 x MEM2600-32D - 2600 32mb Memory upgrade (2600)
  – 2600XM
    • 3 x 2600XM IOS ENT/FW/IDS PLUS IPSEC 3DES upgrade
CCNP Bundles

• ISDN Bundle (EU)
  – 4 x WIC-1B-S/T - 1-Port ISDN WAN Interface Card

• ISDN Bundle (EU) – ISR
  – 4 x WIC-1B-S/T-V3
Network Security Bundles

• **Standard**
  - 1x CISCO2611XM  Cisco 2611XM Router
  - 1 x WIC-2A/S
  - 2 x C2611XM-2FE/VPN/K9 - 2611XM/VPN Bundle, AIM-VPN/BPII PLUS/2FE/IOSAIP/256
  - 2 x PIX-515E-R-DMZ-BUN- PIX 515E-DMZ Bundle (Chas, Restricted SW, 64MB, 3 FE)

• **Experience**
  - 2 x CISCO831-K9-64
  - 2 x PIX-501-BUN-K9 - PIX 501-10 3DES/AES Bundle (Chassis, SW, 10 Users)
Network Security Upgrade Bundles

- **PIX Upgrade**
  - 2 x PIX515-MEM-32 - PIX 515 R upgrade from 32mb to 64mb - required for OS v7

- **Router Bundle Upgrade**
  - 2 x PIX-515E-R-DMZ-BUN

- **PIX Bundle Upgrade**
  - 2 x C2611XM-2FE/VPN/K9
FWL Bundles

- **FWL 802.11b Standard Bundle**
  - 8 x AIR-PCM352 - Cisco Aironet PCMCIA 802.11b adapters
  - 4 x AIR-PCI352 - Cisco Aironet PCI 802.11b adapters
  - 2 x AIR-BR350-E-K9 -Cisco 350 802.11b Bridge
  - 2 x AIR-AP1230B-E-K9 - Cisco 1230 802.11b Access Point
  - 8 x AIR-ANT4941 - Cisco Aironet 2.4 Ghz Articulated Dipole Antenna -PCI,Bridge & AP

- **FWL 802.11g Standard Bundle**
  - 8 x AIR-CB21AG-E-K9 -Cisco Aironet CardBus (PCMCIA) 802.11a/b/g adapters
  - 4 x AIR-PI21AG-E-K9 - Cisco Aironet PCI 802.11a/b/g adapters
  - 2 x AIR-BR1310G-E-K9-R - Cisco 1310 802.11b/g Bridge
  - 2 x AIR-AP1231G-E-K9 - Cisco 1231 802.11b/g Access Point

- **FWL AP1100/1200 802.11g Upgrade Bundle**
  - 2 x AIR-CB21AG-E-K9
  - 1 x AIR-PI21AG-E-K9
  - 1 AIR-MP21G-E-K9 - Cisco Aironet 802.11g upgrade module
FWL Bundles

• FWL 802.11b Access Point Bundle
  – 4 x AIR-PCM352
  – 2 x AIR-PCI352
  – 2 x AIR-AP1230B-E-K9
  – 4 x AIR-ANT4941

• FWL 802.11g Access Point Bundle
  – 4 x AIR-CB21AG-E-K9
  – 2 x AIR-PI21AG-E-K9
  – 2 x AIR-AP1231G-E-K9

• FWL 802.11b Bridge Bundle
  – 2 x AIR-BR350-E-K9
  – 4 x AIR-ANT4941
FWL Bundles

- **FWL 802.11g Bridge Bundle**
  - 2 x AIR-BR1310G-E-K9-R
  - 4 x AIR-ANT4941

- **FWL Antenna Bundle**
  - 1 x AIR-ANT1949 2.4 GHz, 13.5 dBi Yagi Mast Mount Ant. w/ RP-TNC Connector
  - 1 x AIR-ANT1729 2.4 GHz, 6 dBi Patch Ant w/RP-TNC Connector
  - 1 x AIR-ANT5959 2.4 GHz, 2 dBi Divers. Omni Ceiling Ant. w/ RP-TNC Connect.
  - 1 x AIR-ANT2506 2.4 GHz, 5.2 dBi Mast Mount Omni Ant w/RP-TNC Connector
  - 1 x AIR-ACC2662 Antenna Mount for use with ANT1949
  - 1 x AIR-ACC245LA-R Lightning Arrester with grounding ring, RP-TNC Connector
  - 1 x AIR-CAB020LL-R 20 ft LOW LOSS CABLE ASSEMBLY W/RP-TNC CONNECTORS
IPT Bundles

- **IPT Standard Bundle E1**
  - 2 x CISCO2811-CCME/K9 - Cisco 2811 Router with Cisco CallManager Express
  - 2 x WIC-2T - 2-Port Serial WAN Interface Card
  - 1 x NM-HDV2 - IP Communications High-Density Voice Network Module
  - 1 x AIM-ATM-1E1 - High Performance ATM AIM/E1 Bundle
  - 1 x PVDM2-16 - 16-Channel Packet Voice/Fax DSP Module
  - 1 x HWIC-4ESW-POE - 4-Port Ethernet Switch HWIC with Power Over Ethernet
  - 2 x VIC2-2FXS - Two-port Voice Interface Card - FXS
  - 2 x VIC2-2FXO - Two-port Voice Interface Card - FXO (Universal)
  - 2 x PWR-2811-AC-IP - Cisco 2811 AC/IP power supply
  - 1 x WS-C3560-24PS-S - Cisco 3560 switch with POE
  - 1 x WS-C2950-24 - Cisco 2950 T 24 port switch
  - 3 x CP-7940G-CH1 - Cisco 7940 IP Phone
  - 2 x SW-IPCOSM-E1-CH1 x Cisco IP Communicator
IPT Bundle Upgrades

• IPT 7940 Phone Upgrade
  – 3 x CP-7940G-CH1 - Cisco 7940 IP Phone
  – 2 x SW-IPCMM-E1-CH1 - Cisco IP Communicator

• IPT 7960 Phone Upgrade
  – 3 x CP-7960G-CH1 - Cisco 7960 IP Phone

• IPT 7970 Phone Upgrade
  – 3 x CP-7970G-CH1 - Cisco 7970 IP Phone

• IPT Wireless Phone Upgrade
  – 3 x CP-7920-EC-CH1-K9
  – 3 x CP-BATT-7920-STD
  – 3 x CP-PWR-7920-NA

• IPT Voicemail Upgrade
  – 1 x AIM-CUE - Cisco Unity Express - 12 User License
NetLab

• Netlab Control Set Bundle
  – 1 x CISCO2611XM - Cisco 2611XM Router
  – 1 x NM-32A - Cisco Network Module 4 Octal to 32 port
  – 2 x WS-C2950T-24

• Netlab Basic Router Bundle
  – 3 x CISCO2801
  – 3 x WIC-2A/S

• Netlab Basic Switch Bundle
  – 1 x CISCO2801
  – 2 x WS-C2950-24
A newsletter for instructors, by instructors
What we’ve done

• From this....
What we’ve done

• To this....
What we’ve done

• Focus on content relevant to you – written by instructors
• Stories that relate to your work that might help you with your work
• News about where and how the program is evolving – good ideas and best practice
• Your coffee break – a fun section with a puzzler suggested by you – and a factoid to use in the classroom
What you can do

1. Help with data
2. Help with ideas
3. Help with contacts
4. Help with content
5. Help with promotion
6. Help with feedback
Do you know...

• Of something you’d like to see covered?
• Of a topic that you could write about yourself?
• Of someone else who might be able to contribute?
• Of someone who didn’t get the first edition?
• Of someone who would like to get the next one?
• What our next instructor challenge should be....?
Closing – Send Us You Feedback + Suggestion

- Emma Bluck, Marketing Manager: ebluck@cisco.com
- Aine Doris, Communication Specialist: aidoris@cisco.com
- Chiara Capacchione, Event Marketing Specialist: ccapacch@cisco.com
Various other things
ADTRAN

• No More Adtran to the EU Starting July 2006 As of July 1st, 2006, instructors in the EU will no longer be able to buy Adtran equipment for shipment to the EU. This is due to a directive of the European Parliament. We are working on possible alternatives and will send updates regarding WAN emulation in the near future.

• Please direct any questions or comments regarding this issue to SIGMAnet by calling 1-909 230-7065 or send an e-mail to AcademyOrders@sigmanet.com.
Cisco Network Simulator (CNS)

- Cisco Network Simulator (CNS) is an IOS simulation tool created with the intention to provide instructors with an automated tool to assess skills automatically, as a complement to the final skills exam.
- CNS is available for CCNA 2 and CCNA 3 classes.
- It includes:
  - CCNA 2 Skills-Based Mid-Term Practice Exam
  - Two forms of a CCNA 2 Skills-Based Final Practice Exam – Interior Gateway Routing Protocol (IGRP)
  - CCNA 2 Skills-Based Practice Final Exam – RIP
  - CCNA 3 Skills-Based Routing Practice Exam – EIGRP
  - CCNA 3 Skills-Based Switching Practice Exam
  - CCNA 3 Skills-Based Final Practice Exam – Includes OSPF routing and switching
- Requirements:
  - Java Run-Time Environment (JRE) browser plug-in.
  - To be able to reach skills.netacad.net using ports 80 and 443
Many Pathways and Exit Points

CAREERS
- Enterprise Networking
  - CCNP
    - Advanced Routing
    - Remote Access
    - Multilayer Switching
    - Troubleshooting
- Small and Medium Business Networking
- Network Installer
- Basic IT Support
- System Admin

HIGH SCHOOL
- FUNDAMENTALS
  - ITE I
  - ITE II
  - Panduit NIE

COLLEGE
- CCNA
  - Basics
  - Routing
  - Switching
  - WANs

UNIVERSITY
- Security
- Wireless
Questions?

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