



Adoption and Translation Academy Day, HS Bremen



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New CCNA Curricula

- **Motivate and engage students**
- **Features:**
 - **New course GUI**
 - **Aligned with certification changes**
 - **More efficient translation**
 - **Introduction to advanced technologies and converged networks**

CCNA Discovery

- **Hands-on approach to networking education**
- **Step-by-step labs**
- **Teaches the general theory needed to build networks**
- **Consider additional education in IT and prepare for entry-level IT careers**

CCNA Exploration

- **Learn skills in more rigorous, comprehensive, theoretical, and practical way**
- **Complex and challenging hands-on labs**
- **Pursue additional technology or engineering education while preparing for careers in IT**

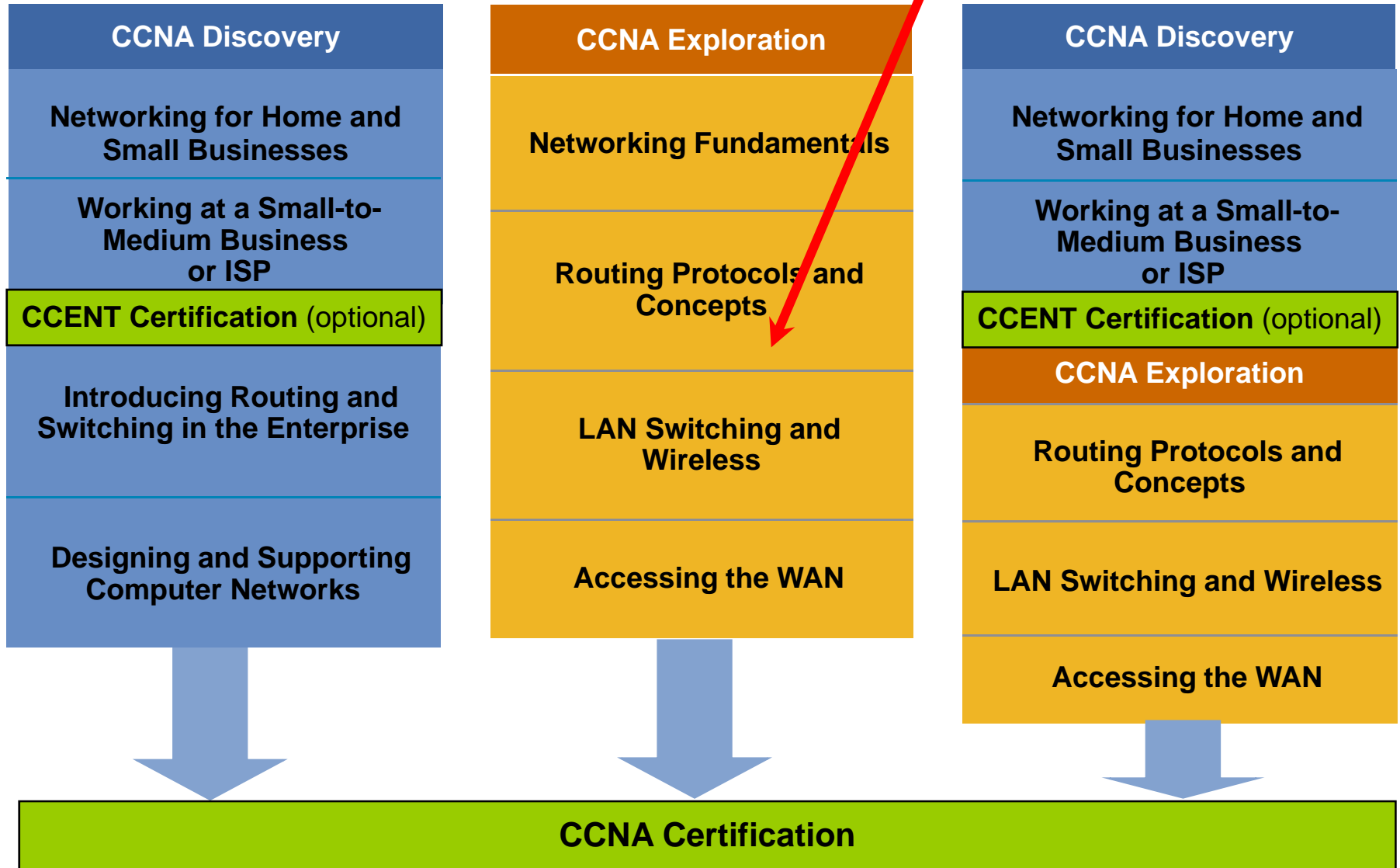
Updates to Cisco Certification

- Cisco is expanding certification of entry level skills and knowledge -- the foundation of a successful career in networking.
- ***New CCNA certification exam*** has greater breadth more security, troubleshooting and basic wireless, *and* more time devoted to performance-based skills.
- Introduction of ***new CCENT*** entry level certification
 - Cisco Certified Entry Network Technician
 - Optional certification after the first two courses of CCNA Discovery curriculum
 - Aligns with entry level networking support positions

Paths to CCNA Certification

CCENT includes Routing and Switching

Flexible order



Nomenclature on Vouchers

Vouchers come in multiple shapes and sizes. Please find definitions below:

Discount Vouchers: These vouchers allow a user to take the certification exam at a reduced cost. **Student passes first attempt of final exam of the fourth course with 75% or higher**

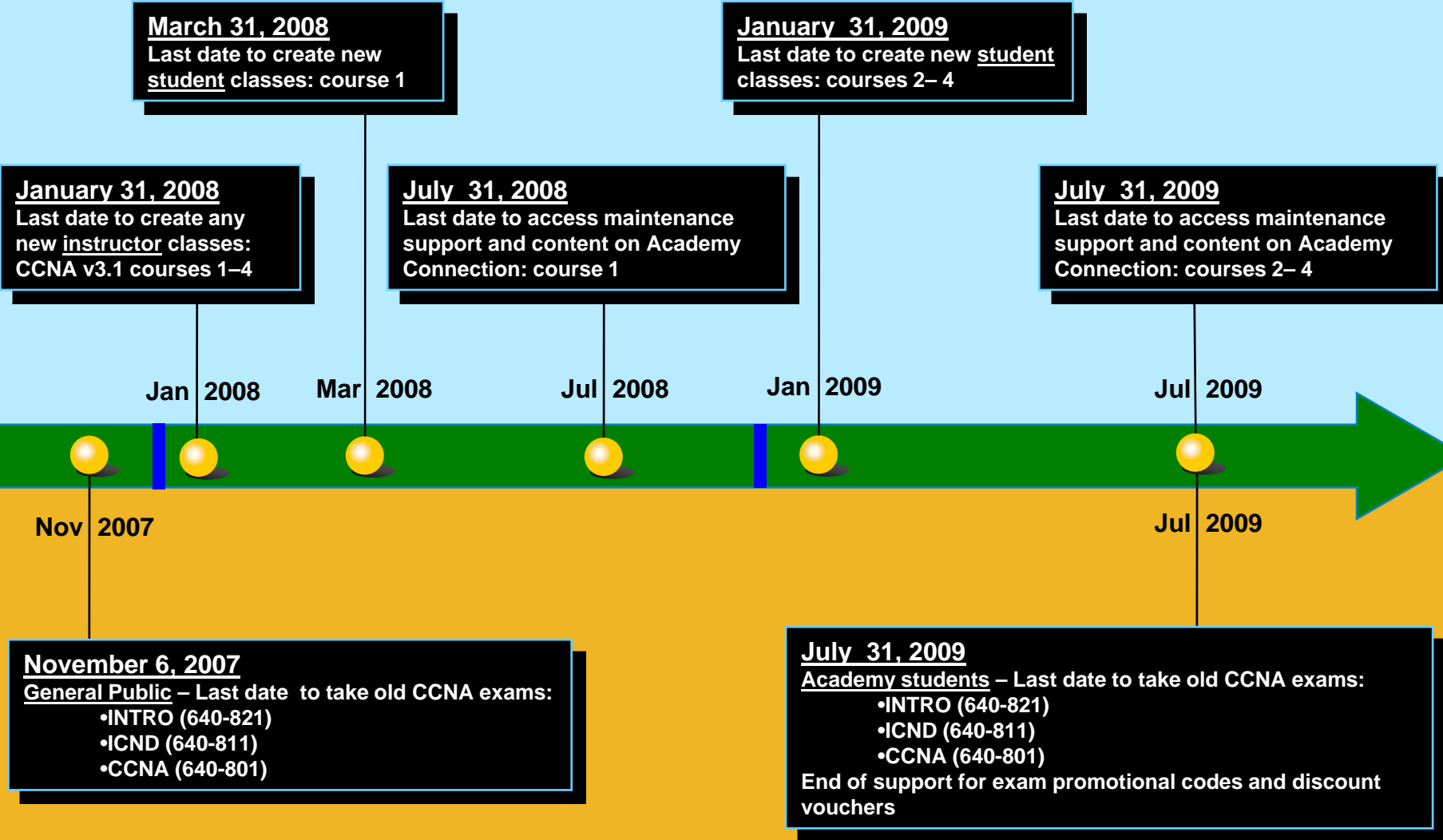
Extension Vouchers: These vouchers allow a user to take an expired CCNP certification exam for an extended period of time and will be phased out by Dec. 31, 2007

Retired Exam Promotional Code: These promotional codes allow a user to take versions of the INTRO (640-821), ICND (640-811) and CCNA (640-801) exams that will expire Nov. 6, 2007 until July 31, 2009

CCNA v3.1 End-of-Life Timeline (English version)

CCNA v3.1

Certification Exams



Discovery and Exploration

General Remarks

- Exam activation for up to 7 days
- Only Chapter and Final Online Exams
- Packet Tracer instead of eLabs and CNS skills
- PT labs included in the curriculum
- PTv**4.11** must be installed on local PC
- CLI provides a beginners, an intermediate and advanced PT training, available on ICG section - **recommended**
- Number of hand-on labs reduced
- ppt files, PT files, Labs as word files available in Tools section on AC
- Errors in Exams, Labs, and Skills, report in help section on AC; consider errata lists and release notes
- Orientation course still the same

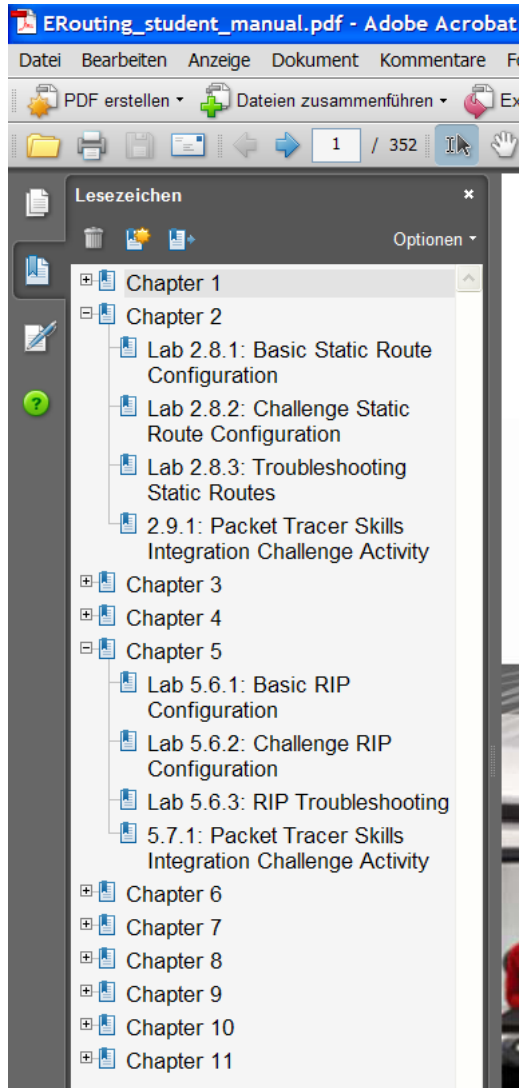
CCNA Exploration, What's new?

- No (real) Case Study (only v3.1 cabling doc, project)
- No cabling and crumping labs
- Wireshark intensively used as protocol analyse tool
- Logging server and Cisco SDM required
- Eagle/Discovery server on CD or installed on PC
- Exploration 1 ends with Basic Router Handling
- Router Handling compressed and shortened (no CDP, no IOS or file handling, no password recovery)
- Wireless switching added in Exploration 3, and Security, VPN, DSL added in Exploration 4
- ISDN has been removed
- Added discussion of general routing problems (ip classless, routing table, parent routes)
- Each chapter ends with 'Summary and Review' including summary, questions, and resources for further learning

CCNA Discovery What's different?

- Over 50% new content; sometimes general knowledge
- Completely new approach of delivery content
- Animated activities inside the curriculum
- Content covers much more than just networking
- Includes Case Studies again; Discovery 4 looks like a single Case Study
- Does not cover the handling of devices or IOS
- Does not provide explanation of technical/conceptual background
- Includes all technical routing and switching topics, but quite short description only
- No troubleshooting, only cook books
- Discovery 2 ends with BGP commands!!

Labs inside Exploration 2 - 4




- Basic labs give IP address schema for the scenario and provide students with the commands required for configuration and troubleshooting
- Basic labs shows more IOS outputs
- Challenge labs includes more questions to be answered by the student
- Troubleshooting labs similar to Challenge labs but with pre-configuration
- For each hands-on lab there is an equivalent PT lab
- PT Skills Integration Challenge Activity provides labs applied to larger scenarios with more network elements
- Pre-configured labs with small tasks included in the chapters

New CCNA Servers Page


INSTRUCTOR HOME

CCNA Discovery and CCNA Eagle Servers




Packet Tracer

[Download](#)




Interactive Course Guides

[View Now](#)



New books for CCNA Discovery and CCNA Exploration

[Learn More](#)






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The **CCNA Discovery Server**

The CCNA Discovery series of courses is designed to provide a hands-on learning approach to networking. Some of the CCNA Discovery labs provide an option to utilize network services, such as email, IM, DNS, HTTP, FTP, for a more enriched learning experience. Since it is not always possible to allow students access to these services on a live network, the Discovery Server has been developed to provide these services using a flexible server that supports an isolated lab environment, disconnected from the Internet. This gives the students an enriched learning experience and at the same time protects the integrity of the production network.

The Discovery Server is not required for the curriculum or the labs. It is provided as an optional configuration that can be used to complete the labs.

- [CCNA Discovery Server FAQ](#)  (PDF - 0.25 MB)
- [CCNA Discovery Server Live CD](#)  (ZIP - 685.4 MB)
- [Cisco Networking Academy Community: Discovery & Eagle Network Services Servers](#) 

CCNA Eagle Server

The CCNA Exploration series of courses is designed to provide a hands-on learning approach to networking. The top-down approach adopted in the Network Fundamentals course presents students with the opportunity to experience the setting up and implementing of Application layer services in a network lab environment.

A key part of the e-doing in Network Fundamentals is the basing of many hands-on labs on a model Internet that uses a local server to provide a range of network services and applications that students can experience in the lab environment. The Server provides the network services and applications typically accessed over the Internet, but in an isolated lab environment.

Academy & Class Locator


Resources

- Tools
- FTP Center
- Course Materials
- Library
- Glossary
- Forums & Chat
- Marketing Toolkit

Course Catalog

Learn more about the Networking Academy courses. [Read More](#)

Success Stories



Hamid Swaps Cleaning For Technology [Read More](#)

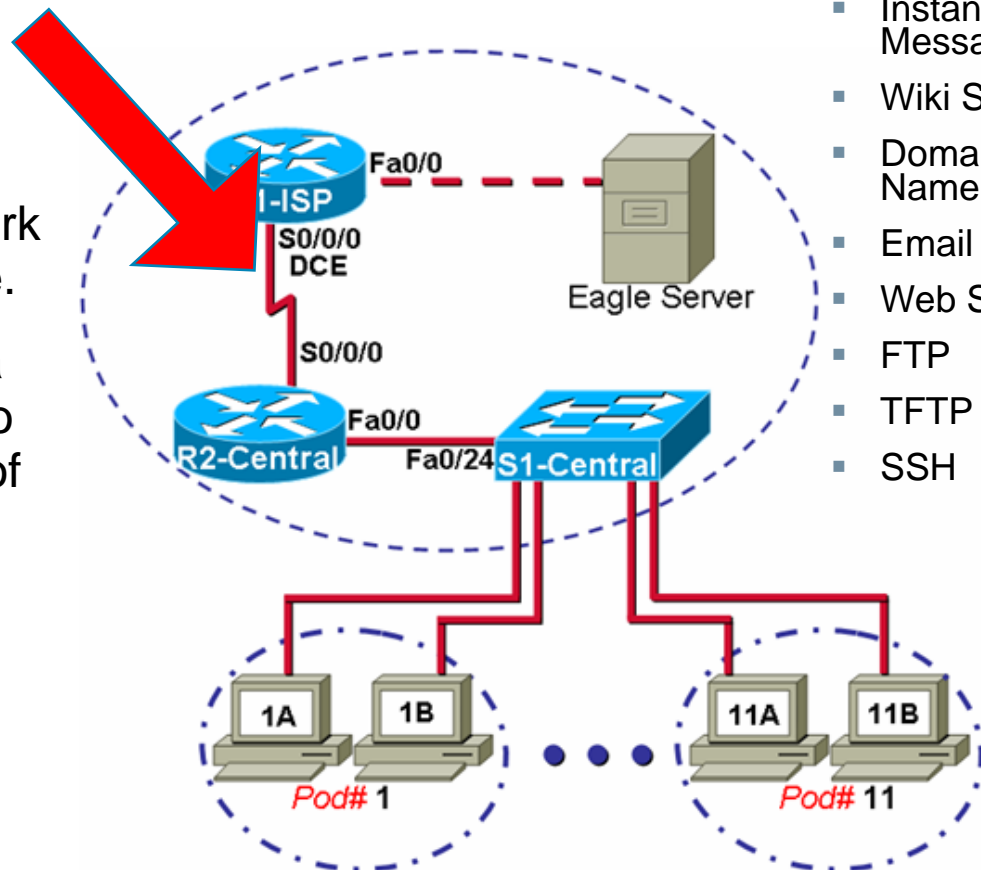
Academy Marketplace

Special discounts for Academies on products and services. [Read More](#)

Eagle Server (only Exploration 1)

Be sure to have a T1 link

- The graph illustrates the topology used throughout the Network Fundamentals course.
- The Eagle Server is a tool provided by Cisco that includes the set of application services and protocols used in the lab activities



Eagle Server includes

- Instant Messaging
- Wiki Server
- Domain Name Server
- Email
- Web Server
- FTP
- TFTP
- SSH

Instructor lab to build up topology available.

Linksys Products

- 2 Linksys wireless routers (Linksys WRT300N was preferred, but out of sale **WRT150N** is an alternative) or SOHO equivalent
- Note: NetAcad has no control over the Linksys Product Lifecycle.
- Products vary from country to country.
- Anticipated updates:
 - WRT300N has gone EOL in Europe & EM, although some stocks are available in UK & US.
 - WRT150N due to be upgraded to the WRT160N in the March 2008 timeframe
 - WRT300N will be replaced in the US by the WRT310N in the May 2008 time frame, product initially will not be available in Europe & EM.
 - WRT54G will remain for the foreseeable future - 1 year
- These products not part of the Academy Promotions – please contact your reseller.
- Estimated price of WRT150N - \$100.00 USD (source: www.amazon.com)

Instructor Training

	CCNA Discovery	CCNA Exploration
Current Instructor	<ul style="list-style-type: none">Optional but strongly recommended (for Discovery)Our goal is to offer a distance learning solution for current CCNA instructors at no extra cost*	
	(min. 8-10?? hours per course)	(min.?? 4-8 hours per course)
New Instructor	<ul style="list-style-type: none">In person training required. Approximately 60-80 hours per course; similar to current CCNA v3.1Costs generally range from US\$50 to US\$150 per day, depending on location	

NOTE:

- Training Academies may offer additional training opportunities to instructors. There may be fees associated with these learning events, as determined by the training Academies. Please refer to your training Academy for exact costs.

CCNA Exploration Prerequisites for Teaching

	Networking Fundamentals	Routing Protocols and Concepts	LAN Switching and Wireless	Accessing the WAN
Instructors	<p>CCNA 2 v3.1 AND Orientation</p> <p>OR</p> <p>Working at a Small-to-Medium Business or ISP AND Orientation</p> <p>OR</p> <p>Networking Fundamentals AND Orientation</p>	<p>CCNA 2 v3.1 AND Orientation</p> <p>OR</p> <p>Introducing Routing and Switching in the Enterprise AND Orientation</p> <p>OR</p> <p>Routing Protocols and Concepts AND Orientation</p>	<p>CCNA 3 v3.1 AND Orientation</p> <p>OR</p> <p>Introducing Routing and Switching in the Enterprise AND Orientation</p> <p>OR</p> <p>LAN Switching and Wireless AND Orientation</p>	<p>CCNA 4 v3.1 AND Orientation</p> <p>OR</p> <p>Designing and Supporting Computer Networks AND Orientation</p> <p>OR</p> <p>Accessing the WAN AND Orientation</p>

Instructors qualified for CCNA 1 and 2 are able to open classes Exploration/Discovery 1 and 2

Instructors qualified for CCNA 1 to 4 are able to open classes Exploration/Discovery 1 to 4

Struktur der Fortbildung von RA/LA

remote

Allgemeine Vorbereitung, ggf. erste Lehrerfahrungen

1.Tag
bei RA

Tageskurs über Grundlagen (Obligatorisch für alle RAs bzw. LAs)

CCNA Discovery

Inhaltliche Fortbildung

CCNA Exploration

Empfohlene Teilnahme;
Entweder nur Discovery bzw.
Exploration oder beide Kurse

Discovery 1-4 vorbereiten
(ggf. Online-Examen zu
einem Modul)

remote

Exploration 1-4 vorbereiten
(ggf. Online-Examen zu
einem Modul)

2-Tageskurs mit Fokus auf
entweder Discovery 3 oder 4
(ggf. mit Teilnahme und Final-
Examen in Online-Klasse)

2 Tage
bei RA

2-Tageskurs mit Fokus auf
entweder Exploration 3 oder 4
(ggf. mit Teilnahme und Final-
Examen in Online-Klasse)

Topics für den 1. Kurstag - Grundlagen

- Einführung in die neuen Programmstrukturen, Konzepte und generelle Veränderungen, neue Features und Prozeduren, Deadlines, konkrete Kurs-Empfehlungen für bestimmte Berufsfelder
- Struktur und Inhalte der neuen Curricula; Inhaltliche Neuerungen/ Verschiebungen; erste Lehrerfahrungen mit Exploration and Discovery
- Instrukormaterialien (was gibt es, wo findet man welche Hilfe)
- Technische Diskussion new hardware, bundles, tools and lab scenarios, was geht mit alten Bundles?, Migration von alt nach neu, Zusätzliches Equipment (Einsatz, neuer Laboraufbau, Live-Server, Linksys, Logging, SDM)
- Introduction to Packet Tracer (help and training materials, main features, how to use as teaching tool)
- PT lab to become familiar with new lab concepts and the new design of the lab topologies (option: Activity Wizzard)

Cisco Press Books Availability

	Course	Book	Target Availability
CCNA Discovery	Networking for Home or Small Business	Learning Guide	December 7, 2007
	Working at a Small-to-Medium Business or ISP	Learning Guide	March 2008
	Introduction to Routing and Switching in the Enterprise	Learning Guide	April 2008
	Designing and Supporting Computer Networks	Learning Guide	April 2008

Cisco Press Books Availability

	Course	Book	Target Availability
CCNA Exploration	Network Fundamentals	Companion Guide	Available – October 29, 2007
		Lab & Study Guide	January 25, 2008
	Routing Protocols and Concepts	Companion Guide	December 7, 2007
		Lab & Study Guide	December 5, 2007
	LAN Switching and Wireless	Companion Guide	April 2008
		Lab & Study Guide	April 2008
	Accessing the WAN	Companion Guide	April 2008
		Lab & Study Guide	April 2008