Cisco Networking Academy
Mind Wide Open

Networking Academy program update

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Corporate Affairs

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"Cisco Networking Academy educates the future architects of the Internet of Everything."

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Innovation of Networking Academy

Academy Evolution

Technology Evolution

Course Portfolio Enlargement

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Core NetAcad Courses

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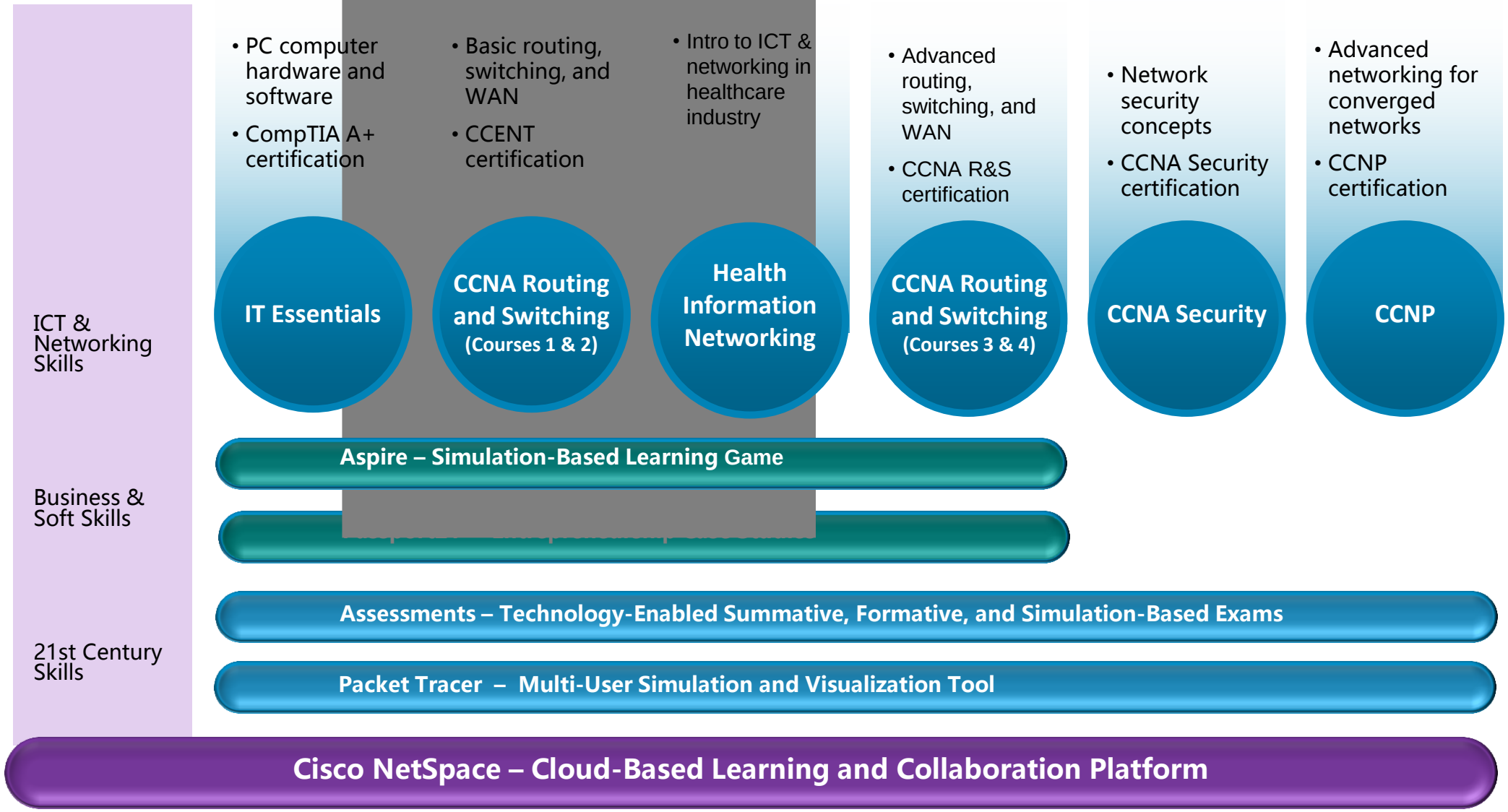
Networking A portfolio



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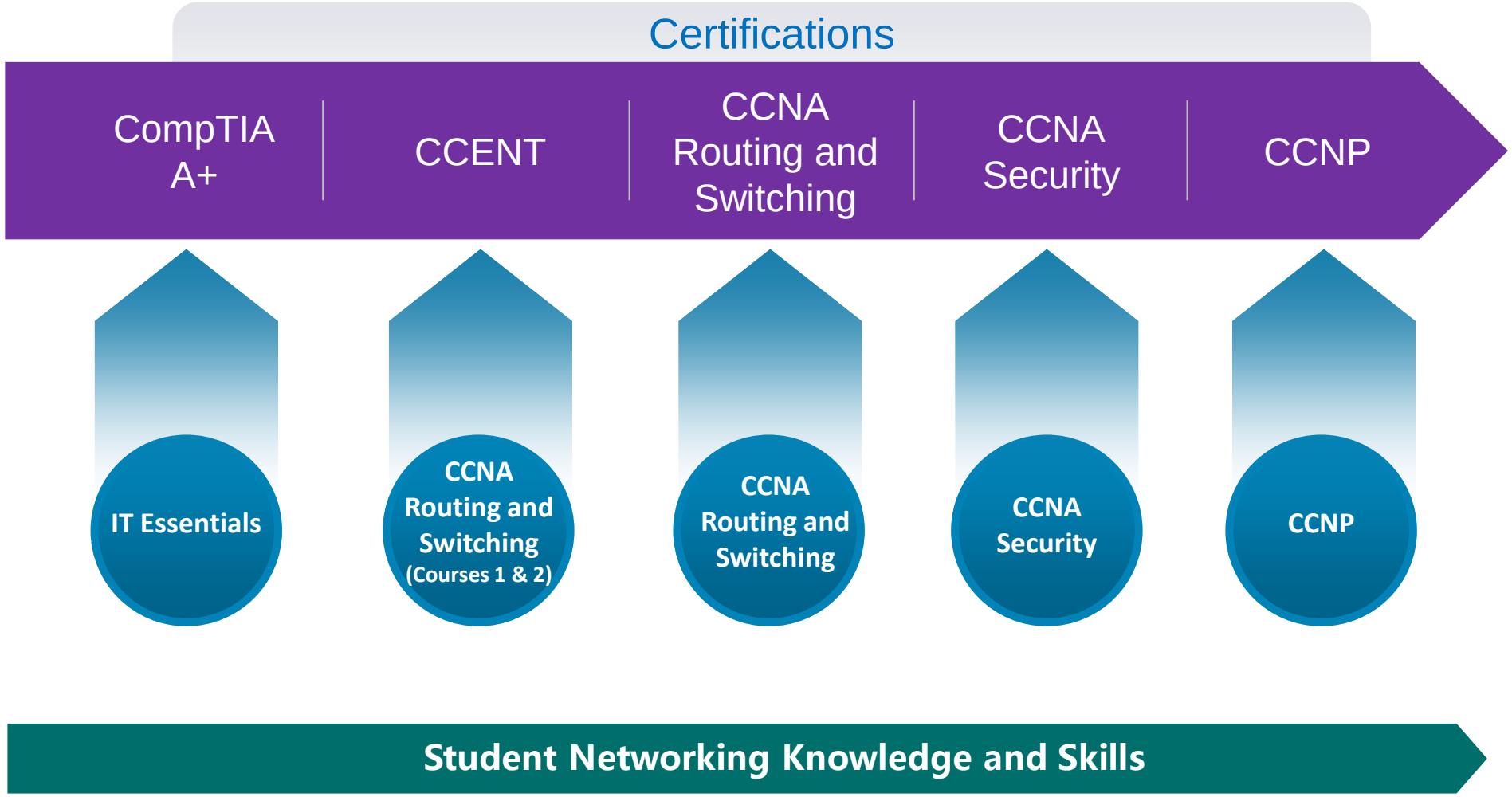
Curriculum Alignment to Certifications



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New NetAcad Courses

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Objectives for New NetAcad Courses

- Address market shifts and skills gap
  - Meet global demand for technical skills beyond core routing and switching
  - Increase workforce readiness skills
- Expand learning opportunities
  - Provide introduction to essential and emerging networking technology skills
  - Supplement with career and collaboration skills
- Engage learners directly
  - Extend access to all NetAcad students
  - Provide options to self-enroll for self-paced, self-directed learning
  - Grow the pipeline for core NetAcad ICT offerings

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New NetAcad Offerings Categories

Cisco Offerings

- **Self-paced, self-enroll** (some may also be instructor led)
- Instructional framework
- Resources such as videos, reference materials, Power Points, solutions and product video demos
- Self-contained assessment
- Letter of Completion

Community Developed Offerings

- **Instructor led**
- Resources offered as-is by community
- No assessment or Letter of Completion

Partner Offerings

- **Self-paced, self-enroll** (some may also be instructor led)
- May have assessment
- May be certification aligned

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Approach for New NetAcad Courses

Core NetAcad ICT Courses	New NetAcad Courses
Certification aligned	May or may not be aligned to a certificate or industry certification
Instructor led approach	Students self-enroll (some may also be instructor led)
Instructor pacing and facilitation	Subject matter expert facilitation/moderation and research, but not pacing
Full range of assessments	Quizzes and formative assessments are required, and summative assessments are desirable, for any technical-skill-related offering, as part of NetAcad's activity-based model for human learning
Course labs, activities, Packet Tracer	Some practice with feedback opportunities
70 hours engagement	10-30 hours engagement
Instructor training required	Instructor training may or may not be required

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Cloud Primer and Voice Primer Overview

- Community developed offerings
- Available on NetSpace upon the NetAcad Support Desk provides you with instructor accreditation
- Community developed offerings adhere to the following guidelines:
  - Not a formal curriculum or offering of the Cisco Networking Academy program
  - **Designed to be delivered to academy students as supplemental content**
  - No commitment by the community or Cisco to update this content or provide any formal support to the wider NetAcad community
  - Formal instructor training has not been designed and will not be provided by Cisco
  - References to source materials and participating instructor names are listed within the content

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Cloud Primer course details

- Cloud Primer (Moving Confidently in the Cloud Seminar)
- Estimated Time to Complete: 40 hours
- Prerequisites**:** None, CCNA-level experience preferable
- This seminar introduces cloud computing and the underlying delineating technologies in consolidation, virtualization, and automation. It presents a progressive approach to understanding data center evolution; from initial stages, infrastructure consolidation, and the use of unified input/output; to storage, network, and desktop virtualization; and eventually to the orchestration of virtualized resources with intelligent automation.
- The aim of the seminar is to equip participants with the skills and knowledge to describe and apply various technological concepts that constitute cloud computing.
- More info:

  www.netacad.com/group/offerings/community-developed-offerings#cloudprimer

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Voice Primer course in details

- Estimated Time to Complete: 4 to 8 hours
- Prerequisites: None, CCENT-level experience preferable
- The Voice Primer provides an introduction to voice on a data network, known as Voice over Internet Protocol (VoIP). Instructors who would like to include basic voice content into their classes can use the primer as a supplement to the CCNA Routing and Switching curriculum.
- Students who complete the primer should be able to perform the following tasks:

  Define common voice terms and concepts including POTS line, digital trunks, PBX systems, and VoIP gateways

  Describe some key advantages of a VoIP system over a traditional PBX system

  Describe the purpose and nature of fundamental VoIP technologies including common call signaling protocols (such as SIP, SCCP, MGCP) and codecs (such as G.711, G.729, GSM)

  Explain the importance of quality of service (QoS) in a voice network

  Apply their VoIP knowledge to configure and connect a basic VoIP-to-VoIP network with multiple endpoints, basic dial plan manipulation, and CME router-based call processing.

- More info:

  www.netacad.com/group/offerings/community-developed-offerings#voiceprimer

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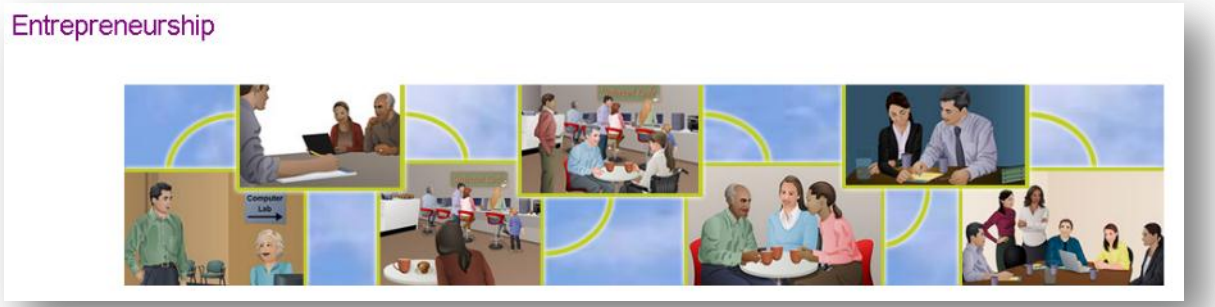
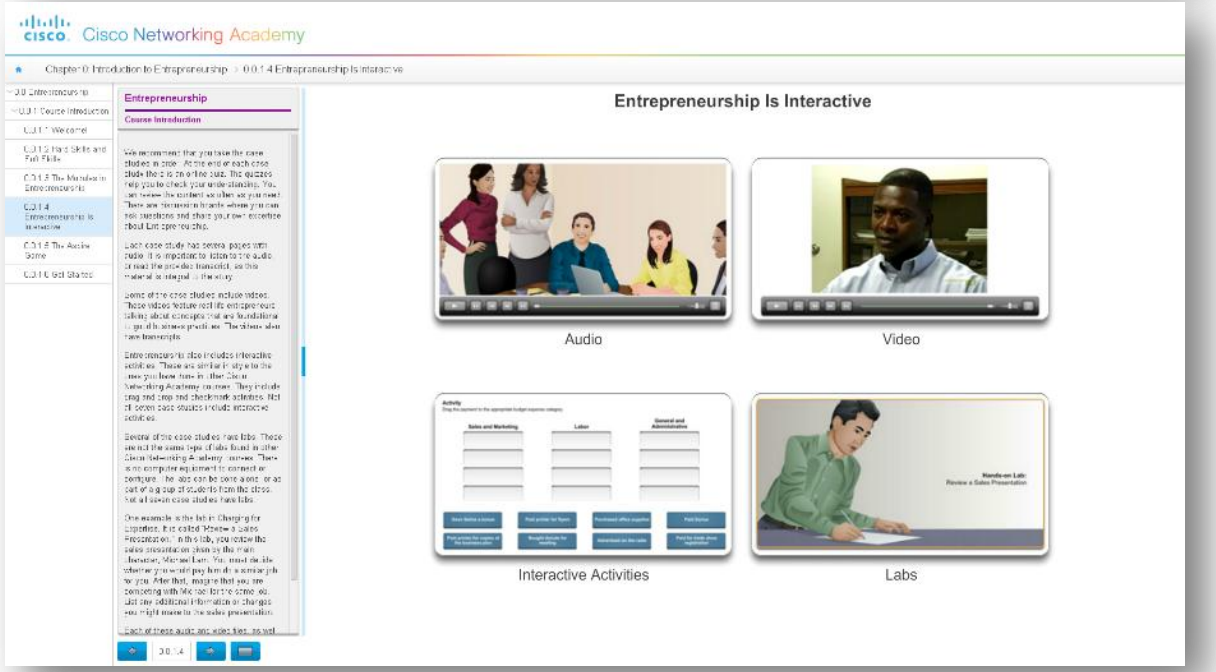
Entrepreneurship course overview

- Helps students develop an entrepreneurial mindset
- Teaches skills such as business planning, negotiation, financial literacy, and problem solving
- Content organized into 7 modules that include practice activities and quizzes to test understanding
- Students can self-enroll, or instructors can teach this course in their classrooms
- Available in English, Arabic, and Spanish
- Estimated time to complete: 10-15 hours





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Entrepreneurship course in details

Objective / Value Proposition	• Teach critical business and financial skills, attitudes, and behaviors to help students develop an entrepreneurial mindset that can empower them to improve their overall quality of life • Supplement students' ICT knowledge and help them prepare for new career opportunities
Target Audience	• Students who want to supplement their knowledge and develop an entrepreneurial mindset
Delivery Model	• Instructor-led course provisioned in NetSpace for NetAcad instructors • Self-enroll course offered directly to NetAcad students through NetSpace • Available in English, Spanish and Arabic • No student prerequisite and no instructor training • Estimated instructional hours: 10-15 hours
Offering Components	• Instructional framework • Seven (7) case studies with activities and quizzes for formative assessment as part of Cisco's activity-based model for human learning.
Cert Alignment	• None
Completion Requirements	• Certificate of completion for instructor-led course
Availability	• Available now

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“**The recent research indicates a shortage of more than a million security professionals** across the globe in 2014. The sophistication of the technology and tactics used by online criminals—and their nonstop attempts to breach networks and steal data—have outpaced the ability of IT and security professionals to address these threats. Most organizations do not have the people or the systems to continuously monitor extended networks and detect infiltrations, and then apply protections, in a timely and effective manner.”

Source: Cisco Annual Security Report 2014

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Introduction to Cybersecurity course overview

- Introduces the importance of Cybersecurity and current trends in industry
- Content organized in 7 modules that include presentations and panel discussions with industry experts
- Activities, videos and additional resources for students to explore
- Assessments include a pre-test, 7 quizzes, 1 final exam
- Students can self-enroll
- Available in English
- Estimated time to complete: 20 hours

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Introduction to Cybersecurity course in details

Objective / Value Proposition	• Raise awareness on the growing need for Cybersecurity specialists • Training a cybersecurity workforce is now a national priority for many countries, demand has grown 3.5 faster than any other IT job
Target Audience	• Students looking for an introduction to cybersecurity
Delivery Model	• Self-enroll course offered directly to NetAcad students through NetSpace • Available in English only • No student prerequisite and no instructor training • Estimated instructional hours: 20 hours
Offering Components	• Instructional framework • 7 modules of webinars and recordings and integration of community content
Cert Alignment	• None
Completion Requirements	• Student-activated course survey required to complete the course • Certificate of completion
Availability	• End of Feb 2014

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Get Connected course overview

- Introductory course for students interested in learning the basics in IT
- Content organized in 5 modules that include illustrations and narrations guiding the students through each topic
- Activities and videos for students to explore
- Assessments include quizzes, 1 final exam
- Students can self-enroll, or instructors can teach this course in their classrooms
- Available in Brazilian Portuguese
- Estimated time to complete: 30 hours

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Get Connected course in details

Objective / Value Proposition	• Introduction to IT course for students/NGOs (Pre-ITE) • Introduce the digital and internet world using networks as a base for connecting people and things • Support initiatives in Brazil and Mexico
Target Audience	• Students looking for an introduction to Information Technology (IT) and basic IT fundamentals • Student who want to understand the basic functions of a computer, the internet, email, and an introduction to social media
Delivery Model	• Instructor-led course provisioned in NetSpace for NetAcad instructors • Self-enroll course offered directly to NetAcad students through NetSpace
Offering Components	• Available in Brazilian Portuguese • Estimated Instructional hours: about 30 hours • No student prerequisite and no instructor training
Cert Alignment	• None
Completion Requirements	• Student-activated course survey and final exam required to complete the course • Certificate of completion
Availability	• May – July 2014

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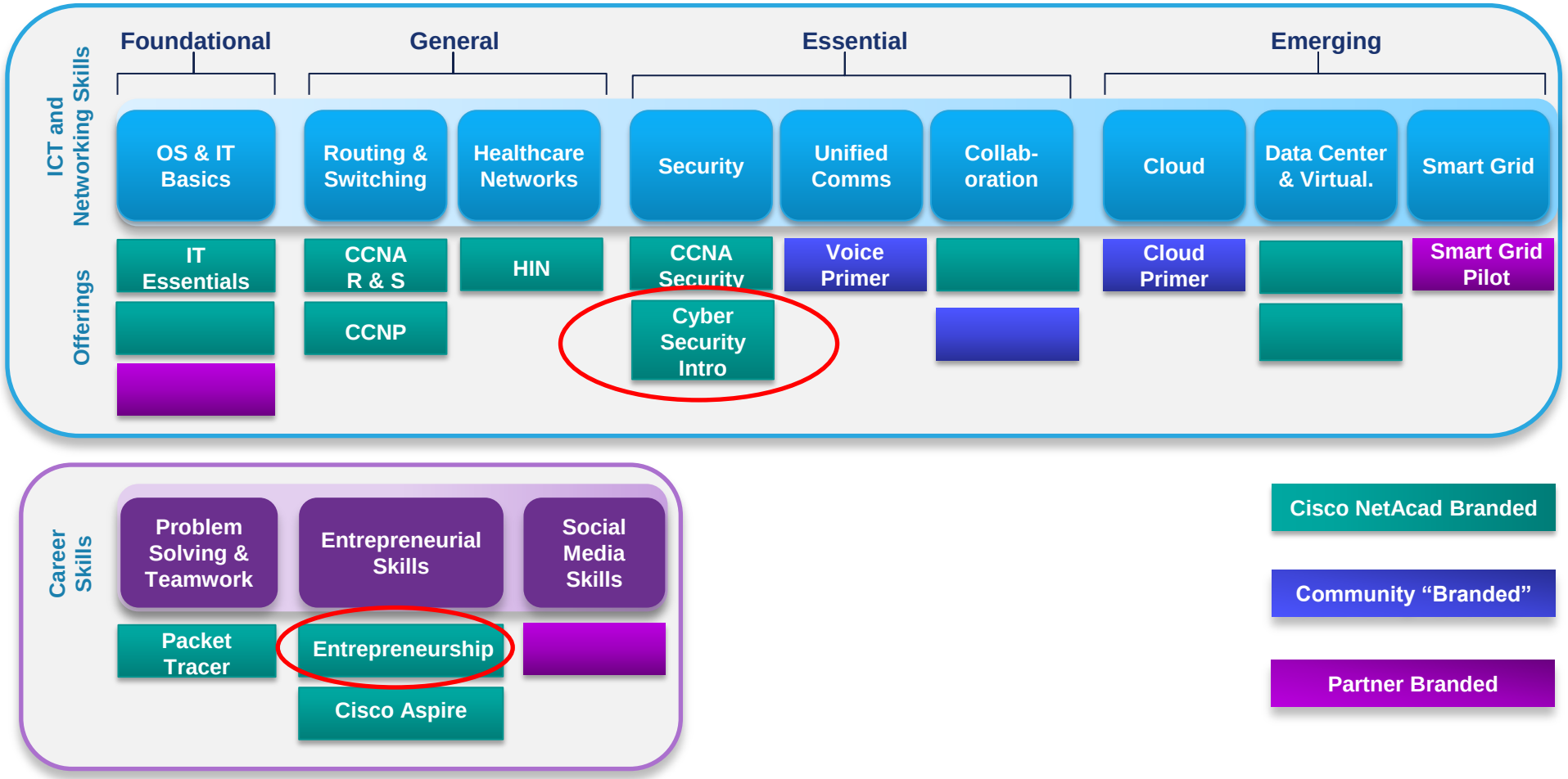
NetAcad courses – Addressing the Skills Gaps



Offerings > Certification Alignment:

ITE > CompTIA A+ CCNA R&S (courses 1 & 2) > CCENT CCNA R&S (courses 3 & 4) > CCNA R&S
CCNP > CCNP CCNA Security > CCNA Security
Social Media > Cisco Social Media

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IoE learning resources

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The Internet Of Everything Webinar Series

Webinars done – recording available

- What Is the Internet of Everything?
- What Is the Internet of Everything's Relevance to Businesses, Technology Innovation and Networking Academy Students?
- IoE Cloud and Mobility Applications
- Smart Connected Sports and Entertainment

Webinars planned (until August 2014)

- Smart Connected Industries
- IoE and Technology Innovation
- Smart Connected Communities
- The IoE Relevance to Healthcare
- Cyber Security and the IoE
- Connecting Your Future to the Internet of Everything

http://bit.ly/IoEWebinar

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Thank you.

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