

Cisco Networking Academy®

Learning Portfolio Catalog



July 2017



Cisco Networking Academy

Cisco Networking Academy is an IT skills and career-building program for learning institutions and individuals worldwide.

More than 6 million people have joined the Networking Academy and become a force for change in the global economy since 1997.

Networking Academy is one of the pillars of Cisco's Corporate Social Responsibility policy and delivers classroom instruction, online teaching materials, interactive tools, and hands-on learning to students from every socioeconomic background, so that they can develop the knowledge and skills required to succeed in a technology-driven market.

Launching a New Generation of Global Problem Solvers



Innovate as
Technologists



Think as
Entrepreneurs



Act as Social
Change Agents

①

Skills-to-Jobs Learning Experience

②

Supportive Ecosystem

③

Global Delivery Platform



① Skills-to-Jobs Learning Experience

What Students Learn

- Networking
- Security and Cybersecurity
- IoT
- Programming
- Linux and General IT

How Students Learn

- Learning by doing
- Problem-solving
- Project-based learning
- Initiative and leadership
- Real-world experiences

How Students Think

- Customer-centric mindset
- Critical thinking
- Personal and social responsibility
- Business context



Global Community



Hands-On



Flexible Delivery



Supports Personalized Instruction



Simulations



Hackathons

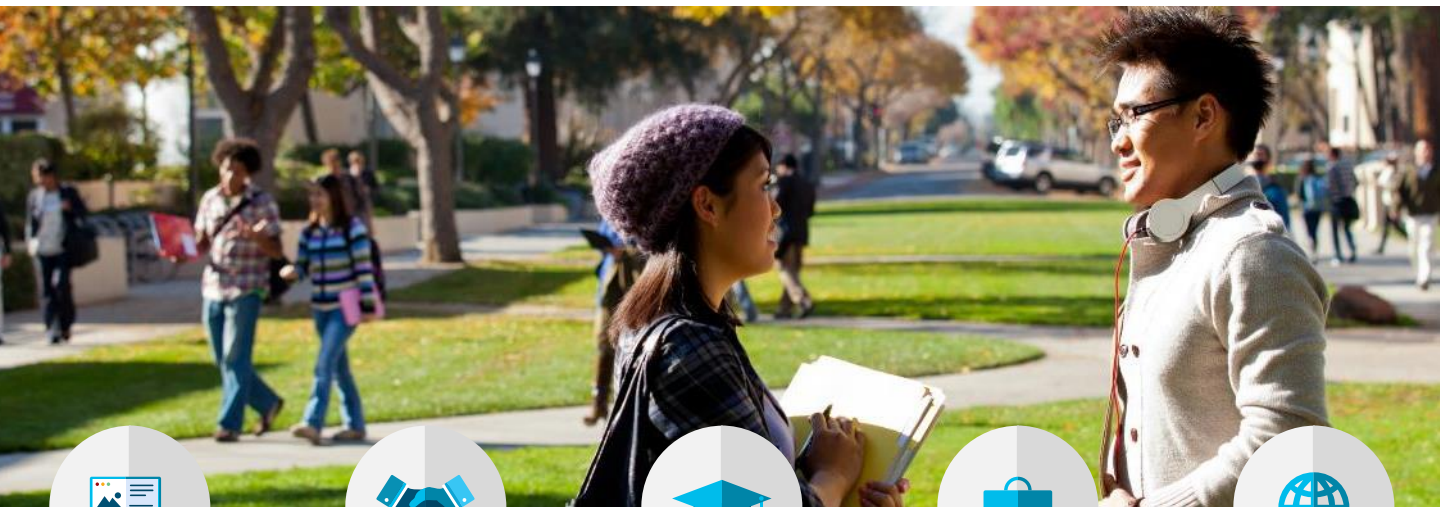


② Supportive Ecosystem

In support of the Skills-to-Jobs Learning experience is an unparalleled ecosystem which provides support to the educational institutions and their student. With a focus on corporate social responsibility, Cisco provides the curriculum, service and platform free of charge.

There are over 650 support and training partners throughout the world that provide services to the member educational institutions. The program also offers discounts on certification exams and equipment necessary as part of the instructional space.

Global communities provide instructors and students with connections for greater success.



Free
curriculum,
services, and
platform



Over 650
support
and training
partners



Certification
and
equipment
discounts



Connect
to jobs
programs



Global
communities



③ Global Delivery Platform

NetAcad.com, the global delivery platform, supports the entire program throughout the world. The Cisco Networking Academy global delivery platform is available in seven languages with some courses translated into as many as eighteen languages.

One of the most powerful components of the platform is the custom assessment engine that provides detailed reports on a student's learning strengths and weaknesses with recommended course topics to help close the gaps.

The platform also delivers a world-class learning management environment which enables instructors to manage and customize their classroom and interactions with their students.



Scalable,
Cloud-based



Available in
English,
Spanish, French,
Arabic,
Portuguese,
Simplified
Chinese,
Russian



Custom
Assessment
Engine



Full-featured
Learning
Management
System



Provides
access to all
curriculum and
instructor
resources



The Networking Academy Learning Portfolio

The Networking Academy Portfolio learning outcomes include the following:

- **Exploratory** offerings emphasize exposure to new ideas, and some basic conceptual understanding with a taste of the breadth of skills one might learn--with the desire to encourage students to consider a career in a particular technology area or type of technology-related business.
- **Foundational** offerings develop a breadth of conceptual understanding and practice of beginning and intermediate skills that form the basis for choosing one or two areas to specialize their skills.
- **Career-Ready** offerings give students the depth of skills needed to prepare for an entry-level job or increased specialization using iterative learn / apply skill cycles in every lesson.
- **Collaborate for Impact** are check-point experiences within the Foundational and Career-Ready offerings, and also independent events and offerings that serve to synthesize all skills learned to date in a real-world, problem-solving context.

The portfolio includes a heavy emphasis on preparation for industry-recognized certifications which lead to greater employment opportunities.

	Certification-aligned	Collaborate for Impact					
		Packet Tracer Know How	Packet Tracer	Hackathons	Prototyping Lab	NetRiders	Internships
	Exploratory	Foundational		Career-Ready			
Networking		Networking Essentials Mobility Fundamentals		CCNA R&S: Intro to Networks, Scaling Networks, R&S Essentials, Connecting Networks CCNP R&S: Switch, Route, Tshoot			
Security	Introduction to Cybersecurity	Cybersecurity Essentials		CCNA Security			
IoT	Introduction to IoT	IoT Fundamentals Connecting Things, Big Data & Analytics, Hackathon Playbook					
OS & IT	NDG Linux Unhatched	NDG Linux Essentials IT Essentials		NDG Linux I NDG Linux II			
Programming		CLA: Programming Essentials in C CPA: Programming Essentials in C++					
Business	Be Your Own Boss	Entrepreneurship					
Digital Literacy	Get Connected						



Cisco Networking Academy®



Networking Courses



Networking Essentials

Foundational



Networking

Course Overview

Networking Essentials teaches networking based on environments students may encounter in their daily lives including small office and home office (SOHO) networking.

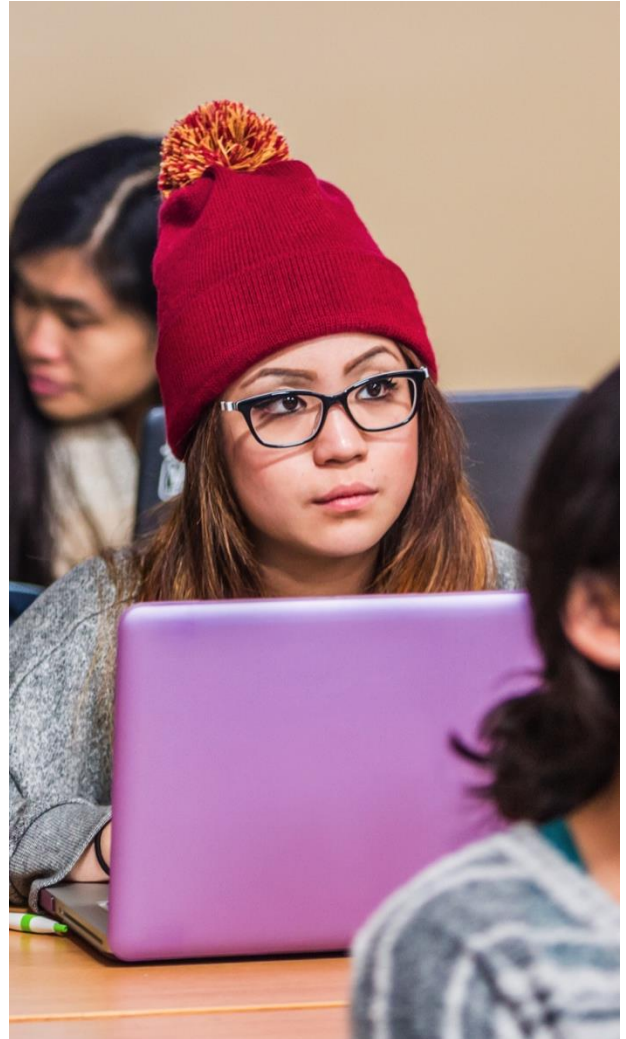
This course provides hands-on learning using real equipment and Packet Tracer simulation activities.

Benefits

This course teaches the skills needed to obtain entry-level SOHO network installer jobs. Networking Essentials prepares students for continuing with the CCNA R&S curriculum. Students studying other non-IT fields would also find this course a useful introduction to IT and networking.

Learning Components

- 9 chapters
- 21 hands-on labs
- 17 Cisco Packet Tracer activities
- 1 hands-on skills assessment
- 9 chapter exams, 1 checkpoint exam, 1 practice final exam, 1 final exam



Target Audience: Secondary and 2-year college vocational students, college and university students studying non-IT fields

Prerequisites: None

Instructor Training Required: Yes

Languages: Arabic, Chinese-S, English, French, German, Portuguese-BR, Russian, Spanish

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA R&S Introduction to Networks, Introduction to IoT



Mobility Fundamentals

Foundational

Course Overview

Starting with Wireless Technology Standards, the Mobility Fundamentals series teaches students about wireless and mobility technologies in the Digital Transformation Age.

Topics covered in these instructor-developed courses include wireless LAN design, security and mobility applications.

Benefits

Builds foundational wireless and mobility technology career skills for current IT Essentials or CCNA R&S students interested in expanding their skills.

Learning Components

- Six modules of multimedia content
- Video recordings featuring Networking Academy instructors
- Activities that reinforce learning, including Cisco Packet Tracer activities
- Assessments, including module quizzes
- Certificates of completion for each module



Target Audience: Secondary, 2-year and 4-year college students

Prerequisites: CCENT knowledge

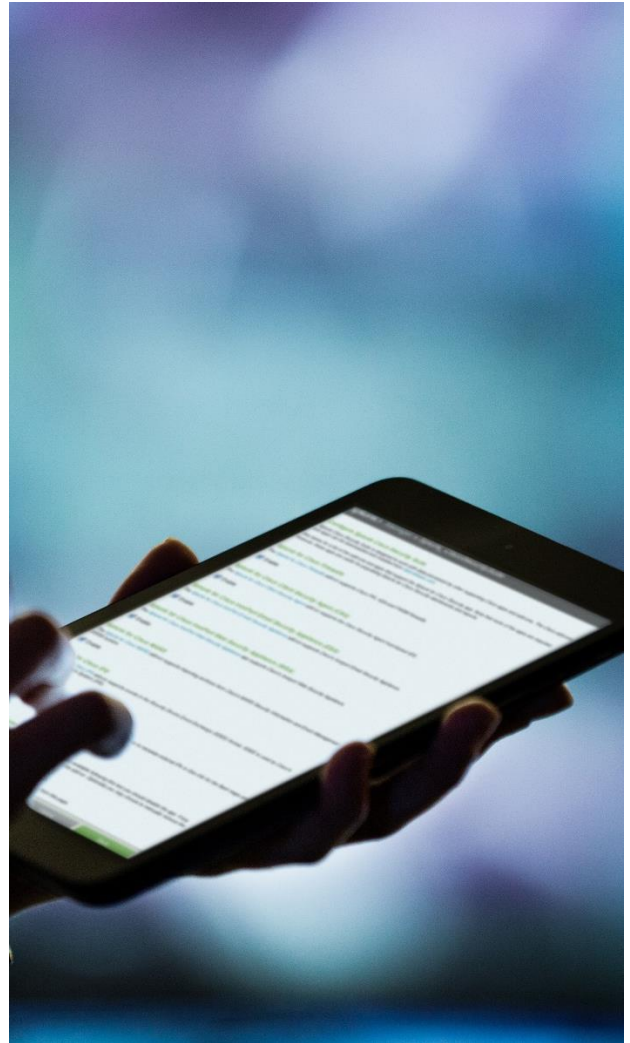
Instructor Training Required: No

Languages: English

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 1.5 hours per module, total 9 hours

Complementary Courses: CCNA R&S Introduction to Networks, CCNA R&S Routing and Switching Essentials



CCNA R&S: Introduction to Networks

Career Ready



Course Overview

The first course in the Cisco CCNA Routing and Switching curriculum teaches students about the architecture, structure, functions and components of the Internet and other computer networks.

Students achieve a basic understanding of how networks operate.

Benefits

By the end of the course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP.

Learning Components

- 11 chapters
- 36 hands-on labs and 1 hands-on skills assessment
- Pre-test, 11 chapter quizzes, 1 sectional quizzes, 11 chapter exams, and 1 final exam
- 2 Cisco Packet Tracer skills-based assessments



Target Audience: Secondary vocational students, 2-year and 4-year college students in Networking or Engineering programs

Prerequisites: None

Instructor Training Required: Yes

Languages: Arabic, Chinese-S, Chinese-T, Croatian, English, French, German, Hungarian, Japanese, Polish, Portuguese-BR, Romanian, Russian, Spanish, Turkish

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA R&S Routing and Switching Essentials



Certification
Aligned



CCNA R&S: Routing & Switching Essentials

Career Ready



Networking

Course Overview

The second course in the CCNA Routing and Switching curriculum describes the architecture, components, and operations of routers and switches in a small network.

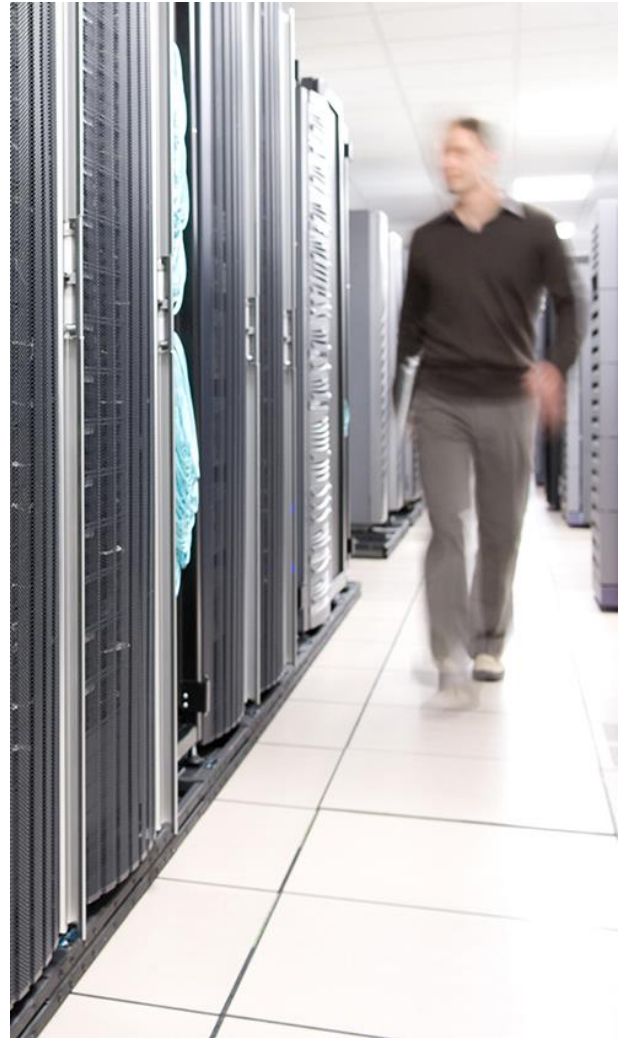
Students learn how to configure a router and a switch for basic functionality.

Benefits

Students are ready to prepare for CCENT certification, skilled to apply for entry-level network technician jobs and able to move on to advanced certifications.

Learning Components

- 10 chapters
- 29 hands-on labs and 1 hands-on skills assessment
- Pre-test, 10 chapter quizzes, 10 chapter exams, and 1 final exam
- 2 Cisco Packet Tracer skills-based assessments



Target Audience: Secondary vocational students, 2-year and 4-year college students in Networking or Engineering

Prerequisites: CCNA R&S: Introduction to Networks

Instructor Training Required: Yes

Languages: Arabic, Chinese-S, Chinese-T, Croatian, English, French, German, Hungarian, Japanese, Polish, Portuguese-BR, Russian, Spanish, Turkish

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA R&S Scaling Networks or CCNA Security



Certification
Aligned



CCNA R&S: Scaling Networks

Career Ready



Networking

Course Overview

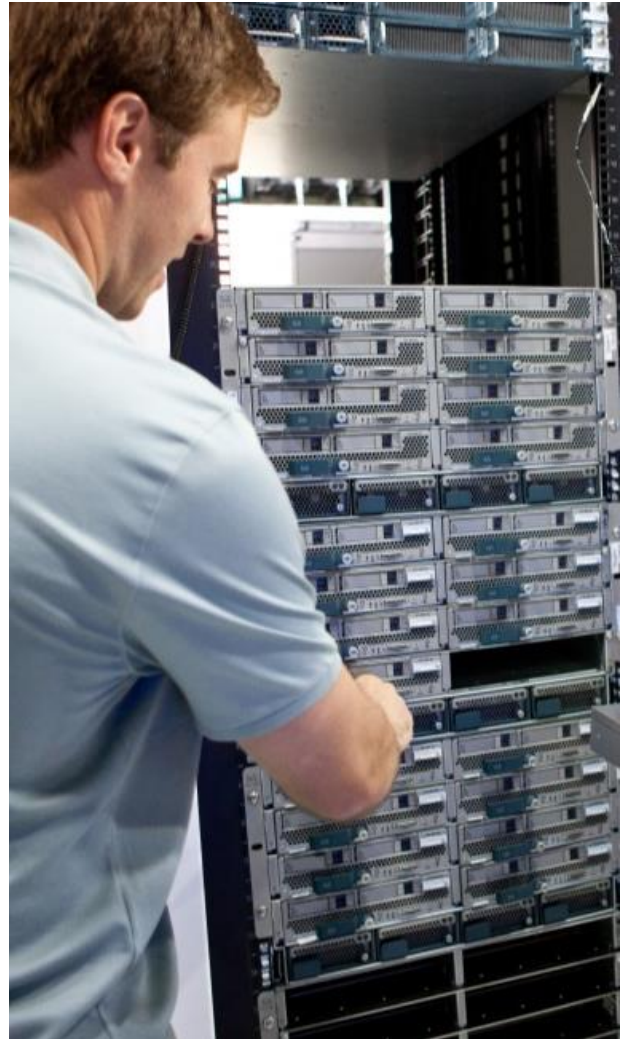
The third course in the CCNA Routing and Switching curriculum describes the architecture, components, and operations of routers and switches in large, complex networks.

Benefits

Students learn how to configure and troubleshoot routers and switches for advanced functionality and resolve common issues with protocols in both IPv4 and IPv6 networks.

Learning Components

- 11 chapters
- 33 hands-on labs and 1 hands-on skills assessment
- Pre-test, 11 chapter quizzes, 2 sectional quizzes, 11 chapter exams, and 1 final exam
- 2 Cisco Packet Tracer skills-based assessments



Target Audience: 2-year and 4-year college students in Networking or Engineering programs

Prerequisites: CCNA R&S: R&S Essentials

Instructor Training Required: Yes

Languages: Arabic, Chinese-S, English, French, Hungarian, Japanese, Portuguese-BR, Russian, Spanish

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA R&S Connecting Networks



Certification
Aligned



CCNA R&S: Connecting Networks

Career Ready



Networking

Course Overview

The fourth and final course in the CCNA Routing and Switching curriculum covers the WAN technologies and network services employed by converged applications in a complex network.

Benefits

By the end of the course, students learn how to configure and troubleshoot network devices and implement virtual private networks and are ready to prepare for the CCNA R&S certification.

Learning Components

- 9 chapters
- 12 hands-on labs and 1 hands-on skills assessment
- Pre-test, 9 chapter quizzes, 2 sectional quizzes, 9 chapter exams, and 1 final exam
- 2 Cisco Packet Tracer skills-based assessments



Target Audience: 2-year and 4-year college students in Networking or Engineering

Prerequisites: CCNA R&S: Scaling Networks

Instructor Training Required: Yes

Languages: Arabic, Chinese-S, English, French, Japanese, Polish, Portuguese-BR, Russian, Spanish

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA Security or CCNP R&S ROUTE



Certification
Aligned

CCNP Routing and Switching Curriculum

Career Ready



Curriculum Overview

The three CCNP Routing and Switching courses provide a comprehensive overview of enterprise-level networking concepts, including advanced routing, switching, and troubleshooting.

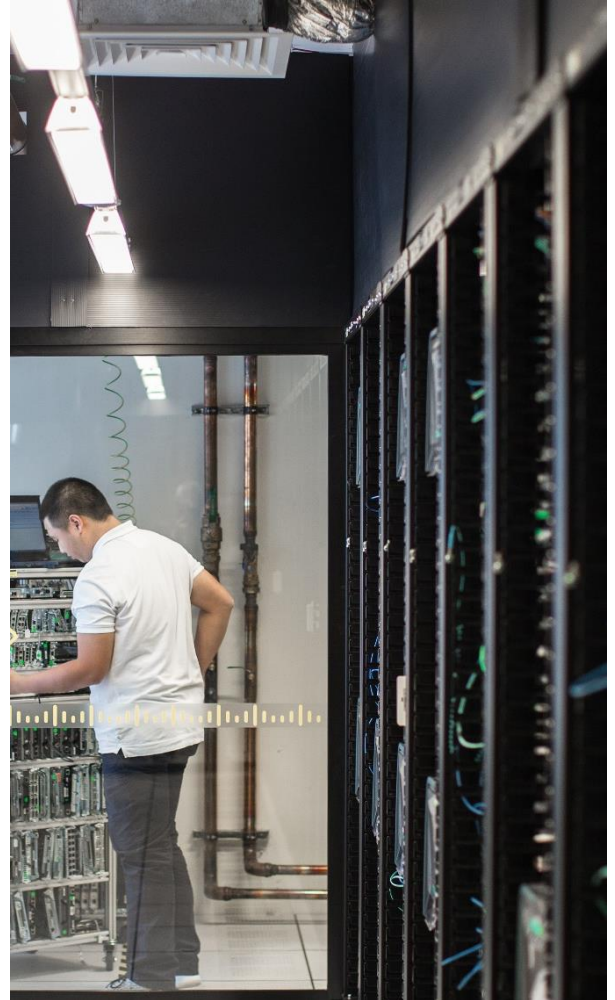
The curriculum integrates industry-relevant instructional approaches to help students prepare for career opportunities.

Benefits

College students seeking hands-on practical experience, Cisco CCNP R&S certification, and career skills in advanced routing, switching, and troubleshooting.

Learning Components

- 3 courses: CCNP R&S ROUTE: Implementing IP Routing, CCNP R&S SWITCH: Implementing IP Switched Networks, and CCNP R&S TSHOOT: Troubleshooting and Maintaining IP Networks
- Hands-on labs
- Cisco Press textbooks
- Chapter exams and final exams



Target Audience: 4-year college students in Networking or Engineering programs

Prerequisites: CCNA R&S courses 1-4

Instructor Training Required: Yes

Languages: English

Course Delivery: Instructor-led, textbook-based

Estimated Time to Complete: 210 hours



Certification
Aligned



Security Courses



Introduction to Cybersecurity

Exploratory



Security

Course Overview

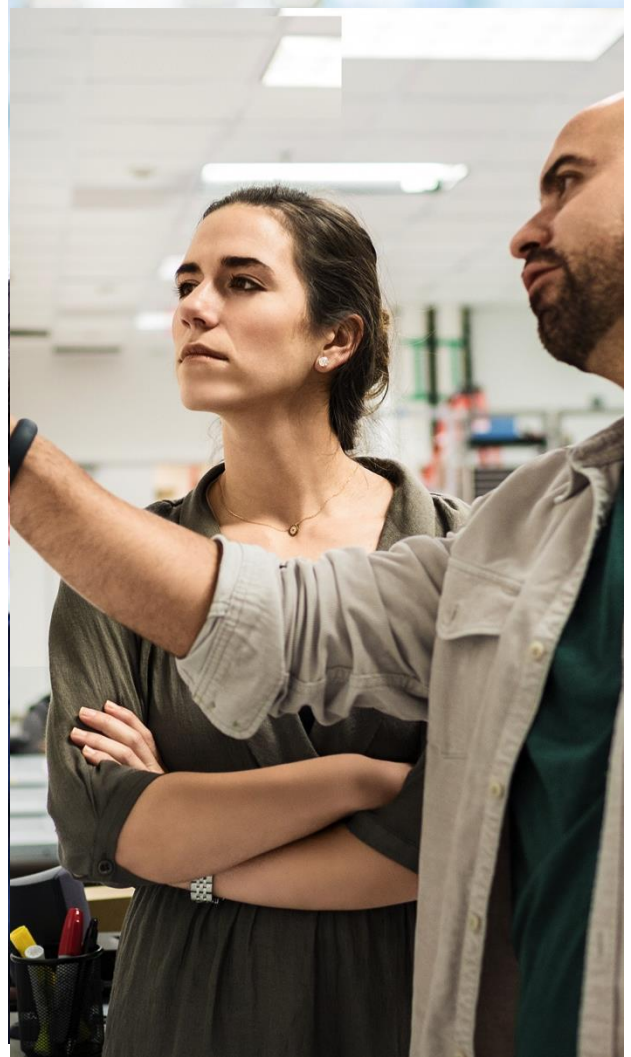
The Introduction to Cybersecurity course explores cyber trends, threats and staying safe in cyberspace, and protecting personal and company data.

Benefits

Learn how to protect your personal data and privacy online and in social media, and why more and more IT jobs require cybersecurity awareness and understanding.

Learning Components

- 5 modules
- Interactive and instructional content
- 8 Activities and 7 lab exercises that reinforce learning
- 4 quizzes and 1 final exam
- Links to related resources



Target Audience: Secondary and 2-Year college students, general audience

Prerequisites: None

Instructor Training Required: No

Languages: Chinese-S, English, French, German, Hebrew, Italian, Japanese, Spanish

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 15 hours



Cybersecurity Essentials

Foundational



Security

Course Overview

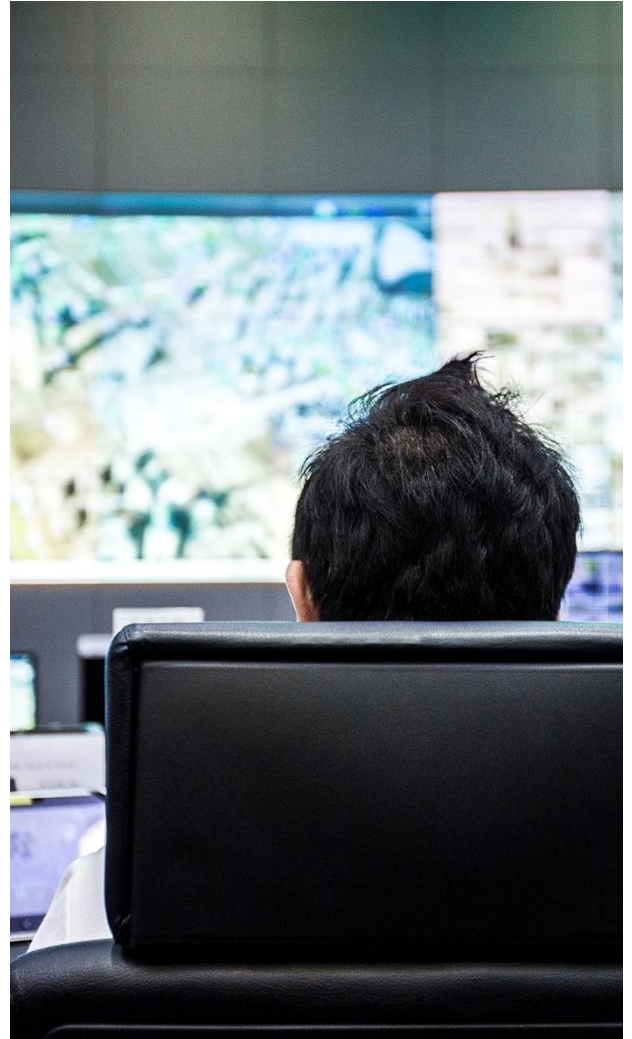
Cybersecurity Essentials covers foundational knowledge and essential skills for all cybersecurity domains including information security, systems security, network security, ethics and laws, and defense and mitigation techniques used in protecting businesses.

Benefits

This course is recommended for students planning to study any CCNA certification. It provides foundational security skills for entry-level networking and security roles.

Learning Components

- 8 chapters learning
- 34 interactive activities, 10 Cisco Packet Tracer Activities, 12 hands-on labs that reinforce
 - 8 chapter quizzes, 1 final exam
 - Links to related resources



Target Audience: Secondary and 2-year college vocational students

Prerequisites: Introduction to Cybersecurity

Instructor Training Required: No

Languages: Chinese-S, English, French, German, Spanish

Course Delivery: Instructor-led and Self-paced

Estimated Time to Complete: 30 hours

Recommended Next Course: CCNA R&S
Introduction to Networks



CCNA Security

Career Ready



Security

Course Overview

CCNA Security introduces the core security concepts and skills needed to troubleshoot and monitor computer networks and help ensure the integrity of devices and data.

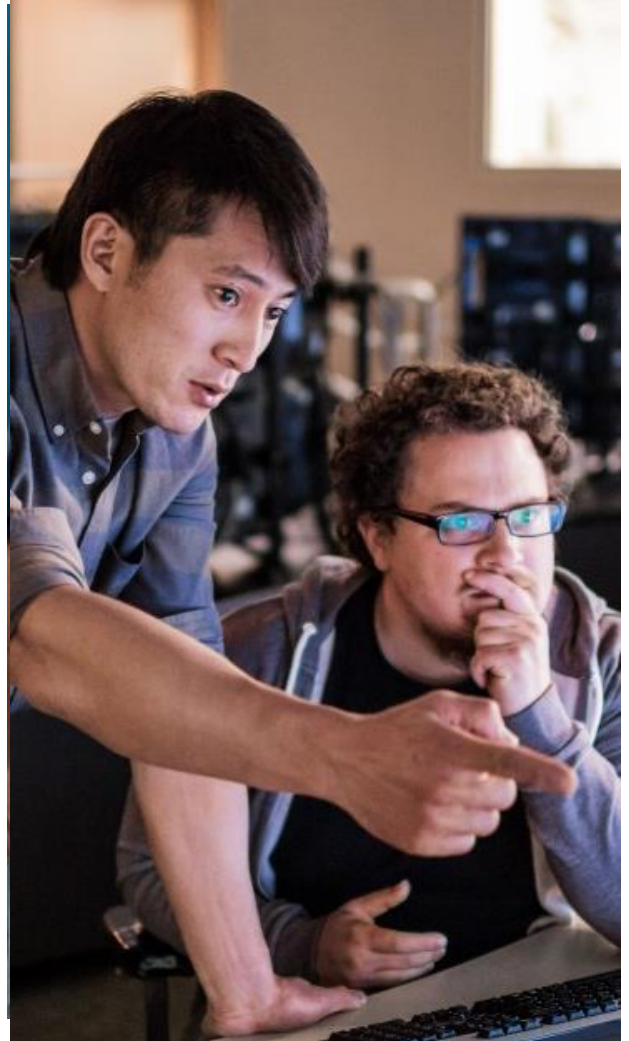
It emphasizes the practical application of the skills needed to design, implement, and manage network security systems.

Benefits

CCNA R&S students interested building security and data protection expertise for the Cisco CCNA Security career certification and jobs as network security specialists.

Learning Components

- 11 chapters, quizzes, and chapter exams
- 13 Cisco Packet Tracer activities and 1 Packet Tracer practice skills-based assessment
- 16 hands-on labs
- One each: pre-test, certification practice exam, practice final, final exam and Skills-Based Assessment (SBA)



Target Audience: 2-year and 4-year college students in Networking or Engineering programs

Prerequisites: CCNA R&S: ITN and RSE (CCENT)

Instructor Training Required: Yes

Languages: English

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNP R&S ROUTE



Certification
Aligned



Internet of Things Courses



Introduction to Internet of Things

Exploratory



IoT

Course Overview

The Introduction to IoT (Internet of Things) course introduces learners to the technologies that support IoT, and the career and social opportunities created by the growing number of networked connections between people, processes, data, and things.

Benefits

For students seeking an overview of trends, technologies, and career opportunities in the Internet of Things.

Learning Components

- 5 modules of interactive content featuring IoT experts
- Activities, videos, and simulations to enhance the learning experience
- Pre-test, module quizzes, and a final exam



Target Audience: General audience

Prerequisites: None

Instructor Training Required: No

Languages: Arabic, Chinese-S, Chinese-T, English, French, German, Hebrew, Italian, Japanese, Korean, Portuguese-BR, Russian, Spanish

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 20 hours

Recommended Next Course: IT Essentials or IoT Fundamentals: Connecting Things*

Certifications: N/A



Connecting Things

Foundational



IoT

Course Overview

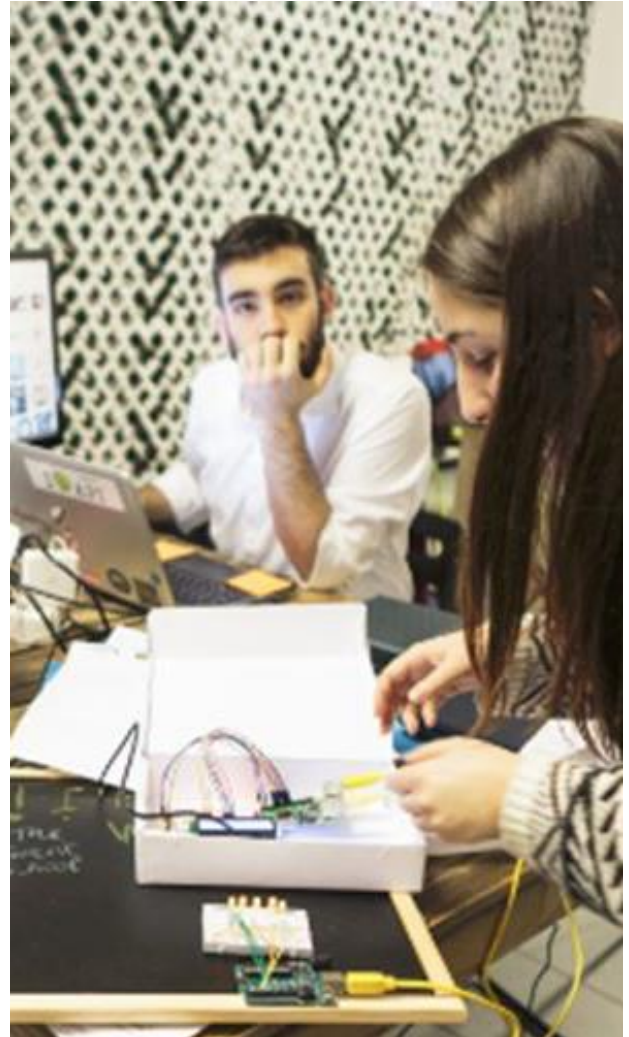
In Connecting Things, students learn how digitalization is transforming industries such as manufacturing, energy, and smart cars. Using a hands-on approach, they securely interconnect sensors, actuators, microcontrollers, single-board computers, and cloud services over IP networks to create an end-to-end IoT system.

Benefits

Students will develop interdisciplinary skillsets required to prototype an IoT solution for a specific business case with a focus on the security considerations for emerging technologies.

Learning Components

- 6 chapters
- 31 hands-on labs
- 10 Cisco Packet Tracer activities
- 12 interactive activities
- 6 chapter exams, 1 final exam



Target Audience: Secondary, Vocational, 2-year and 4-year College, 4-Year University students

Prerequisites: Basic programming, networking and electronics

Instructor Training Required: Yes

Languages: English

Course Delivery: Instructor-led

Estimated Time to Complete: 50 hours

Recommended Next Course: IoT Fundamentals: Big Data & Analytics or Hackathon Playbook

Big Data & Analytics

Foundational



IoT

Course Overview

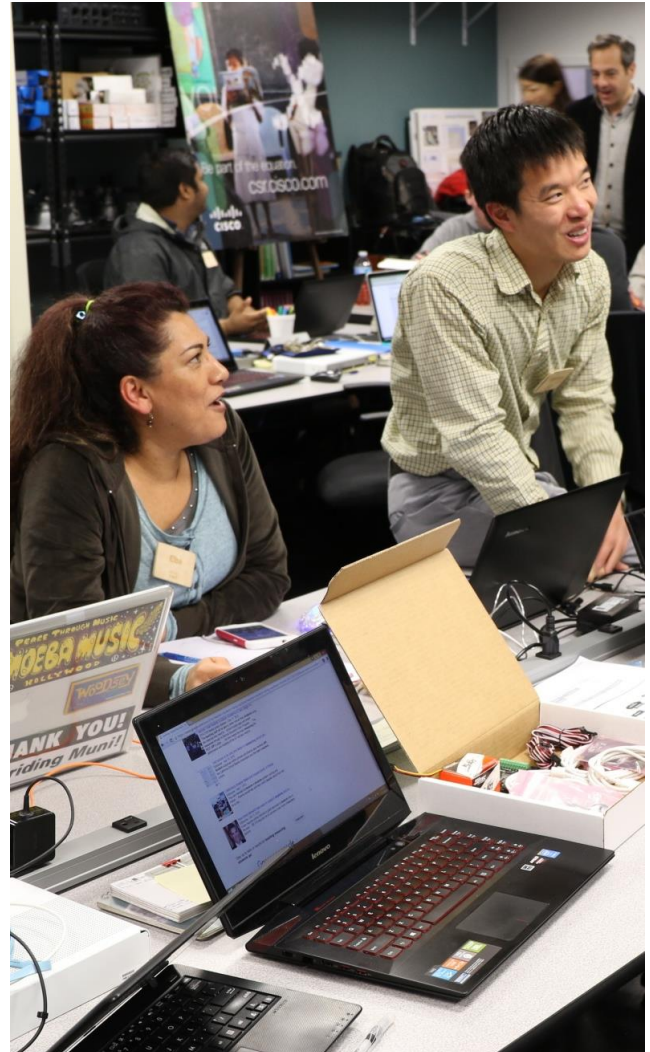
Students will learn how to use Python data libraries to create a pipeline to acquire, transform and visualize data collected from IoT sensors and machines. .

Benefits

The transformative element of any IoT system is the data that can be collected from it. Thus the ability to extract data and using data analytics techniques to gain insights increases employability.

Learning Components

- Use Python to read data from sensors and store data in a SQL data base.
- Use Python Data Analysis library to clean, manipulate, integrate data sets.
- Use Python Visualization Libraries to visualize real-time data end explore acquired data sets.
- Explain the fundamental principles of a modern scalable Big Data platforms like Hadoop.
- Use storytelling to present the insights gained from extracted data.



Target Audience: 2-year and 4-year College, 4-Year University students

Prerequisites: IoT Fundamentals: Connecting Things

Instructor Training Required: Yes

Languages: English

Course Delivery: Instructor-led

Estimated Time to Complete: 50 hours

Recommended Next Course: IoT Fundamentals: Hackathon Playbook



Hackathon Playbook

Foundational



IoT

Course Overview

The Hackathon Playbook is a comprehensive framework of tools and templates equipping instructors to prepare and run a hackathon. It is based on best practices and lessons-learned compiled from the global IoT Hackathons within Networking Academy and by other organizers.

Benefits

Students reinforce and deepen their multidisciplinary IoT and data skills by defining, designing, prototyping and presenting an IoT solution to a panel of industry experts and peers.

Learning Components

- 1 instructor-only module
- 2 student modules
- Design Thinking Preparation Labs (optional)
- Student Facilitation module
- 2 Quizzes, 1 each for Instructor and Students
- Final exam: Submission of the Prototype Documentation



Target Audience: Secondary, Vocational, 2-year and 4-year College, 4-Year University students

Prerequisites: Connecting Things, Big Data & Analytics (optional)

Instructor Training Required: No

Languages: English

Course Delivery: Instructor-led, Instructor-facilitated

Estimated Time to Complete: 24-30 hours

Recommended Next Course: IoT Fundamentals Big Data & Analytics, any Career-Ready course



OS & IT Courses



NDG Linux Unhatched

Exploratory



OS & IT

Course Overview

Aligned to the Linux exam objectives found on the CompTIA A+ 220-902 exam, this course teaches basic installation and configuration of Linux software and introduces the Linux command line.

Benefits

NDG Linux Unhatched eases learners into acquiring Linux knowledge with a free online learning course.

Learning Components

- 1 Module
- 20 Pages
- Built-in Linux machine with activities
- 1 Assessment



Target Audience: Secondary and general audience new to IT

Prerequisites: None

Instructor Training Required: No

Course Delivery: Self-paced

Languages: English, Spanish

Estimated Time to Complete: 6-8 hours

Recommended Next Course: NDG Linux Essentials



IT Essentials

Foundational



OS & IT

Course Overview

IT Essentials covers fundamental computer and career skills for entry-level IT jobs. Students apply skills and procedures to install, configure, and troubleshoot computers, mobile devices, and software.

Benefits

For students seeking career-oriented, entry-level hardware and software skills to prepare for technical support roles, this course aligns with the CompTIA A+ certification.

This course also serves as a foundation for CCNA-level courses.

Learning Components

- 14 chapters
- 99 hands-on labs and 29 interactive activities
- Cisco Packet Tracer, virtual laptop, and virtual desktop learning tools
- 14 chapter exams, checkpoint exam, skills review, practice final exam, final exam, skills-based assessment, 2 practice exams for CompTIA A+ certification



Target Audience: Secondary and 2-year college vocational students

Prerequisites: None

Instructor Training Required: Yes

Languages: Arabic, Chinese-S, Chinese-T, Croatian, Dutch, English, French, Georgian, German, Hebrew, Hungarian, Italian, Japanese, Polish, Portuguese-BR, Romanian, Russian, Spanish, Turkish, Ukrainian

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA R&S
Introduction to Networks



Certification
Aligned



NDG Linux Essentials

Foundational



OS & IT

Course Overview

The NDG Linux Essentials course, developed by Networking Academy partner NDG, teaches the fundamentals of the Linux operating system and command line and open source concepts.

The Linux virtual machine is embedded in the course; allowing students to experiment with Linux commands.

Benefits

Learn Linux OS, open source programming, and IoT skills to expand IT knowledge beyond networking. Aligns with the Linux Professional Institute (LPI) Linux Essentials Professional Development Certificate.

Learning Components

- 16 chapters
- Built-in virtual machine to experiment with Linux commands
- 13 lab exercises
- Learner-directed activities
- Chapter exams, mid-term, and final exam



Target Audience: Secondary and 2-year college students

Prerequisites: None

Instructor Training Required: No

Languages: English

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 70 hours

Recommended Next Course: CCNA R&S Introduction to Networks



Certification
Aligned

NDG Linux

Career Ready



OS & IT

Curriculum Overview

The NDG Linux curriculum, developed by Networking Academy partner NDG, is a 2-course series for aspiring Linux system administrators.

Students develop proficiency in performing maintenance tasks on the command line, installing and configuring a computer running Linux, and configuring basic networking, using virtual machines running Linux.

Benefits

NDG Linux curriculum prepares you for careers in cloud computing, cybersecurity, information systems, networking, programming, software development, big data, and more.

Learning Components

- 2 semester -long courses: NDG Linux I, NDG Linux II
- More rigorous than Linux Essentials
- Built-in virtual machine to experiment with Linux commands
- Hands-on labs and activities
- Chapter, midterm and final exams



Target Audience: 2-year and 4-year college students

Prerequisites: None, but NDG Linux Essentials or equivalent knowledge recommended

Instructor Training Required: No

Languages: English

Course Delivery: Instructor-led and Self-paced

Fee: \$39.95 US per learner, per course

Estimated Time to Complete: 70 hours per course, 140 hours total





Programming Courses



CPA: Programming Essentials in C++

Foundational



Programming

Course Overview

Prepares student to accomplish coding tasks related to the basics of programming in the C++ language and the fundamental notions and techniques used in object-oriented programming.

Benefits

Builds the skills you need for entry-level programming career opportunities and to succeed in jobs related to software development, network engineering and system administration. Aligns with CPA – C++ Certified Associate Programmer Certification.

Learning Components

- 8 modules of interactive instructional content
- More than 100 practice labs
- Chapter and Final exams



Target Audience: Secondary, 2-year and 4-year college students

Prerequisites: None

Instructor Training Required: No

Languages: English

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: IoT Fundamentals, CCNA R&S, NDG Linux Essentials



Partner



Certification
Aligned

CLA: Programming Essentials in C

Foundational



Programming

Course Overview

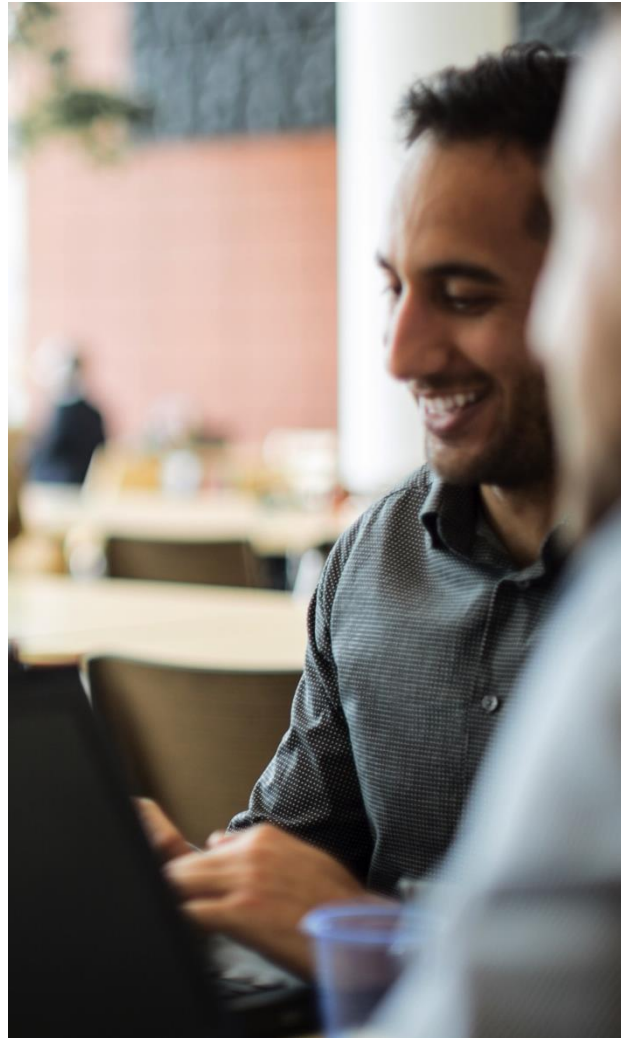
The CLA: Programming Essentials in C curriculum is designed for students who want to learn the fundamentals of programming through the C language.

Benefits

Learn the universal concepts of computer programming, as well as the syntax, semantics and data types of the C language needed for entry-level programming career opportunities. Aligns with CLA – C Programming Language Certified Associate Certification.

Learning Components

- 9 modules of interactive instructional content
- More than 80 practice labs
- Chapter and Final exams



Target Audience: Secondary, 2-year and 4-year college students

Prerequisites: None

Instructor Training Required: No

Languages: English

Course Delivery: Instructor-led

Estimated Time to Complete: 70 hours

Recommended Next Course: IoT Fundamentals, CCNA R&S, NDG Linux Essentials



Partner



Certification
Aligned



Business Courses



Be Your Own Boss

Exploratory



Business

Course Overview

The Be Your Own Boss or Technopreneur series provides the guidelines, insights, and advice needed to launch successful tech ventures.

The series features video presentations by entrepreneurs from around the world who share lessons learned along their journeys to success.

Benefits

Technology students interested in developing the entrepreneurial skills and habits needed to launch and grow a successful technology business.

Learning Components

- 8 modules
- Technopreneurs sharing personal success stories
- in video format
- Quizzes and surveys for each module



Target Audience: General audience

Prerequisites: None

Instructor Training Required: No

Languages: English

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 8 hours

Recommended Next Course: Entrepreneurship



Entrepreneurship

Foundational



Business

Course Overview

Entrepreneurship supplements the IT skills gained in CCNA R&S curriculum by teaching business and financial skills, behaviors, and attitudes, to help students develop an entrepreneurial mindset.

Students learn by completing a series of interactive case studies.

Benefits

Students seeking to supplement IT expertise with entrepreneurial thinking, business development, and financial management skills.

Learning Components

- 7 modules
- Modules feature interactive case studies and videos that reinforce business management skills
- Quizzes for each module
- Discussion board



Target Audience: General audience

Prerequisites: None, recommend CCNA R&S RSE for labs

Instructor Training Required: No

Languages: Arabic, Chinese-S, Chinese-T, English, French, Hebrew, Italian, Portuguese-BR and Spanish

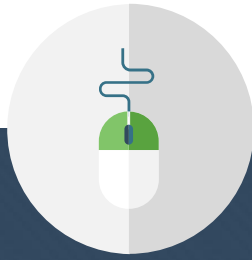
Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 15 hours

Complementary Course: Be Your Own Boss



Cisco Networking Academy®



Digital Literacy Courses



Get Connected

Exploratory



Digital Literacy

Course Overview

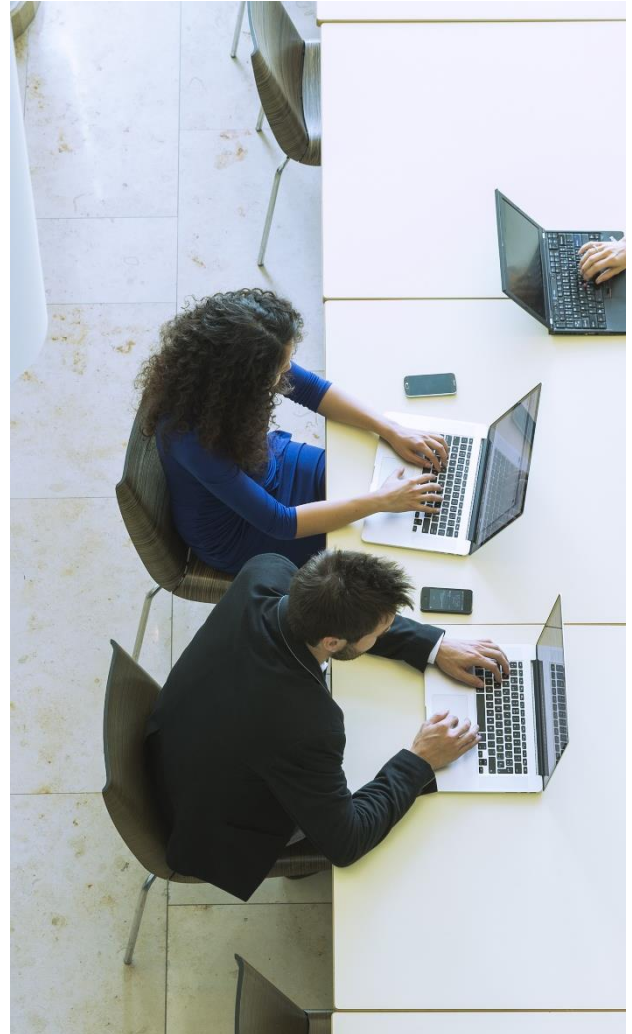
Get Connected students are introduced to the Internet and experiment with various social networking sites. Talking characters and devices make this course a user-friendly environment for an audience new to IT.

Benefits

Get Connected teaches basic communication and collaboration technologies, essential skills for career advancement in today's global workforce.

Learning Components

- 5 chapters
- Illustrations and narrations guide students through topics
- Videos and activities
- Quizzes



Target Audience: Secondary and general audience new to IT

Prerequisites: None

Instructor Training Required: No

Languages: Chinese-S, Chinese-T, English, French, German, Hindi, Italian, Portuguese-BR, Spanish

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 30 hours

Recommended Next Course: IT Essentials



Cisco Networking Academy®

Collaborate for Impact Offerings



Packet Tracer Know How

Collaborate for Impact

Course Overview

The Packet Tracer Know How series is designed for new users of Packet Tracer for self-study and familiarization with the tool used in many Networking Academy courses. Packet Tracer courses are available for the desktop and for mobile (Android and iOS).

Benefits

The Packet Tracer Know How series introduces tips and best practices to help instructors and students use Cisco Packet Tracer as an effective and engaging learning and assessment tool.

Learning Components

- Files and demos
- Hands-on learning activity
- Video Recordings
- Quiz



Target Audience: General audience

Prerequisites: None

Instructor Training Required: No

Languages: English, French, German

Course Delivery: Instructor-led or Self-paced

Estimated Time to Complete: 1 hour

Cisco Packet Tracer

Collaborate for Impact

Course Overview

Packet Tracer is an innovative simulation and visualization tool used for lectures, labs, games, homework, assessments, and competitions. It is embedded in these courses:

- CCNA Routing and Switching
- CCNA Security
- IT Essentials
- Introduction to Internet of Things
- Mobility Fundamentals

Benefits

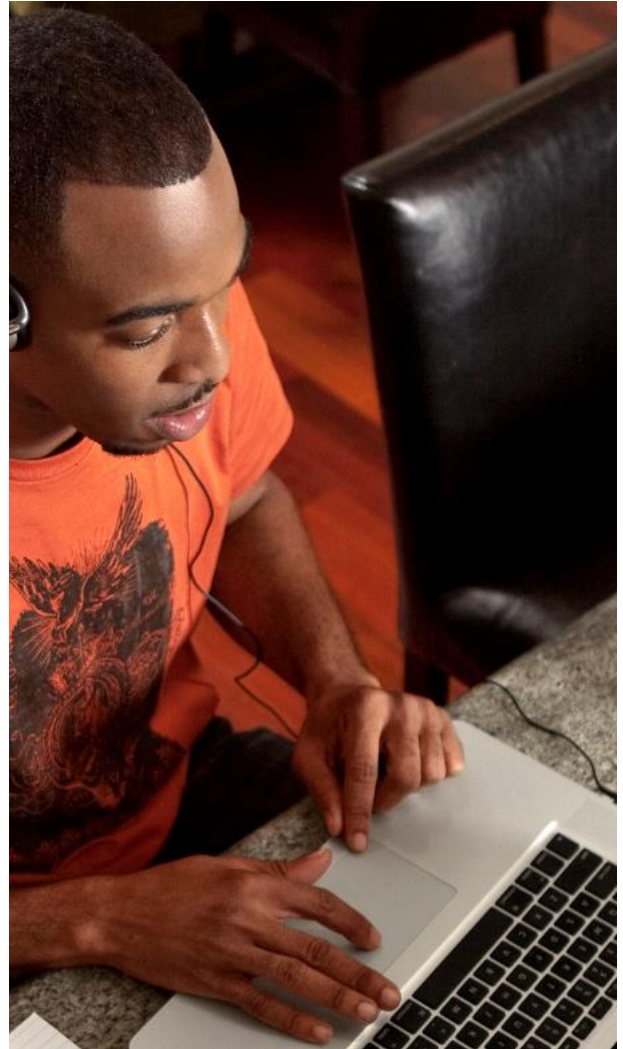
The Packet Tracer simulation-based learning environment promotes the development of essential career skills ranging from teamwork and critical thinking to creative problem solving.

Learning Components

- Cisco Packet Tracer (PT)
- PT Mobile Android
- PT Mobile iOS
- PT Games

As an integral part of the Networking Academy learning experience, Packet Tracer provides

- Simulation
- Visualization
- Authoring
- Assessment
- Collaboration capabilities and facilitates the teaching and learning of complex technology concepts.





Cisco Prototyping Lab

Collaborate for Impact

Course Overview

The Cisco Prototyping Lab is a comprehensive learning environment created by Cisco for Networking Academy students to learn and practice key aspects of the foundational IoT technologies. It is embedded in these courses:

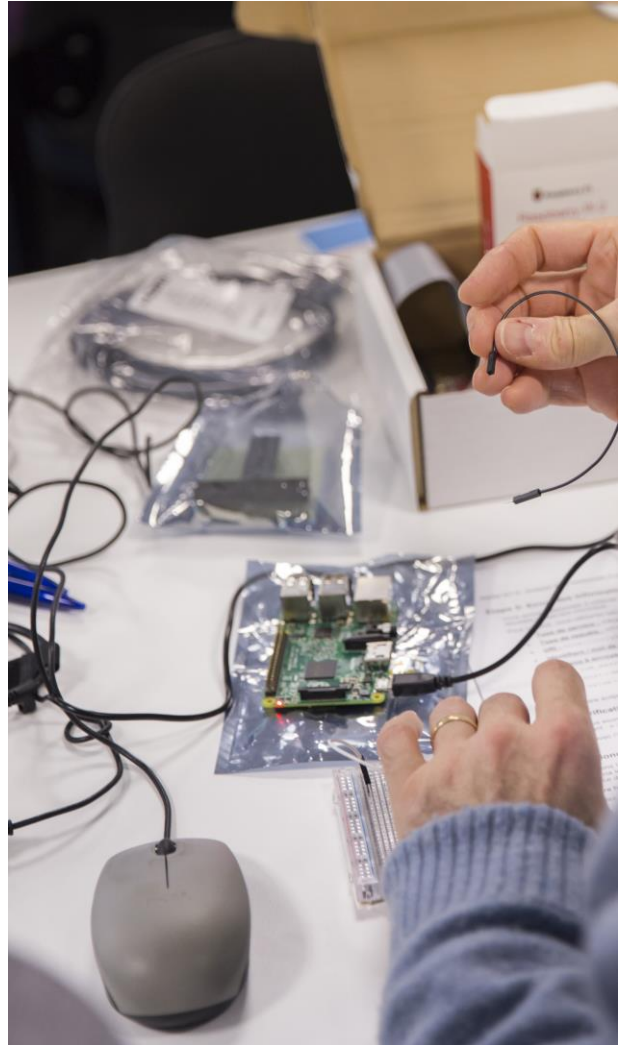
- Connecting Things
- Hackathon Playbook

Benefits

The Cisco Prototyping Lab provides an easy to use, comprehensive learning environment using real devices, code, coding tools and data that students use to create the physical interconnection of an end-to-end IoT and the logical data pipeline to acquire, analyze and present data.

Learning Components

- Prototyping Lab App
- Prototyping Lab Kit
 - Raspberry Pi 3 CanaKit Ultimate Starter Kit (or equivalent)
 - SparkFun Inventor's Kit for Arduino v3.2 (or equivalent)



The Cisco Prototyping Lab provides:

- Interactive labs using Jupyter Notebook
- Visual programming with Blockly
- Device programming with Python
- Data visualization & analytics
- Connected applications via APIs
- Rapid Prototyping





Cisco Netriders Competition

Collaborate for Impact

Course Overview

NetRiders competitions provide students with hands-on practice and experience in a competitive environment. It is a chance to test their technical and soft skills and recognize their weaknesses, showcase their knowledge, and deepen their networking and teamwork skills all while they build friendships across the world.

Benefits

The Cisco NetRiders competitions are an amazing opportunity to apply your skills across all you've learned thus far as you work in a team to solve a complex simulated real-world problem. Thus competitions are great way to better understand how your strengths contribute to solutions and better describe your unique strengths with potential employers.

Learning Components

- CCNA R&S
- CCENT
- IT Essentials



- Recognition for outstanding achievement
- Hands-on practice and experience in a competitive environment
- Career opportunities and internships through increased visibility
- Exposure to career role models
- Opportunities to engage with students around the world
- Top achievers may win prizes, including a week-long trip to Cisco San Jose, California campus with other top achievers from around the world



Course List & Language Availability

	Course	Arabic	Chin-S	Chin-T	Croatian	ENG	FR	Georgian	German	Hebrew	Hindi	Hungary	Italian	Japan.	Korean	Port-BR	Polish	Romanian	Russian	Spanish	Turkish	Ukrainian
Exploratory	Be Your Own Boss					✓																
	Get Connected		✓	✓		✓	✓		✓		✓		✓			✓				✓		
	Intro to Cybersecurity		✓			✓	✓		✓	✓			✓	✓						✓		
	Intro to IoT	✓	✓	✓		✓	✓		✓	✓			✓	✓	✓	✓			✓	✓		
	NDG Linux Unhatched					✓														✓		
	Entrepreneurship	✓	✓	✓		✓	✓			✓			✓				✓			✓		
Foundational	IT Essentials	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
	Networking Essentials	✓	✓			✓	✓		✓							✓			✓	✓		
	Cybersecurity Essentials		✓			✓	✓		✓											✓		
	IoT Fundamentals					✓																
	NDG Linux Essentials					✓																
	CPA: Programming Essentials in C++					✓																
	CLA: Programming Essentials in C					✓																
	Mobility Fundamentals					✓																
Career Ready	CCNA R&S: ITN	✓	✓	✓	✓	✓	✓		✓			✓		✓		✓	✓	✓	✓	✓	✓	
	CCNA R&S: RSE	✓	✓	✓	✓	✓	✓		✓			✓		✓		✓	✓		✓	✓	✓	
	CCNA R&S: ScaN	✓	✓			✓	✓					✓		✓			✓		✓	✓		
	CCNA R&S: CN	✓	✓			✓	✓					✓		✓			✓		✓	✓		
	CCNA Security					✓																
	CCNP Routing and Switching					✓																
	NDG Linux I and II					✓																
	Packet Tracer Know How					✓	✓		✓													



For further information:
www.netacad.com

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