



Cisco Networking Academy
Mind Wide Open



Jim Elkins
Cisco Networking Academy Instructor
North Technical High School

Secondary Students

Cisco Networking Academy

What is Cisco Networking Academy?

A global information and communications technology (ICT) education program

Teaches students how to design, build, troubleshoot, and secure computer networks

Provides increased access to career and economic opportunities in communities around the world



The Networking Academy Model

Cisco leverages its expertise in ICT and networking to develop courses delivered through public-private partnerships

Students attend courses at local schools and educational institutions throughout the United States and Canada



Students Gain Critical Skills

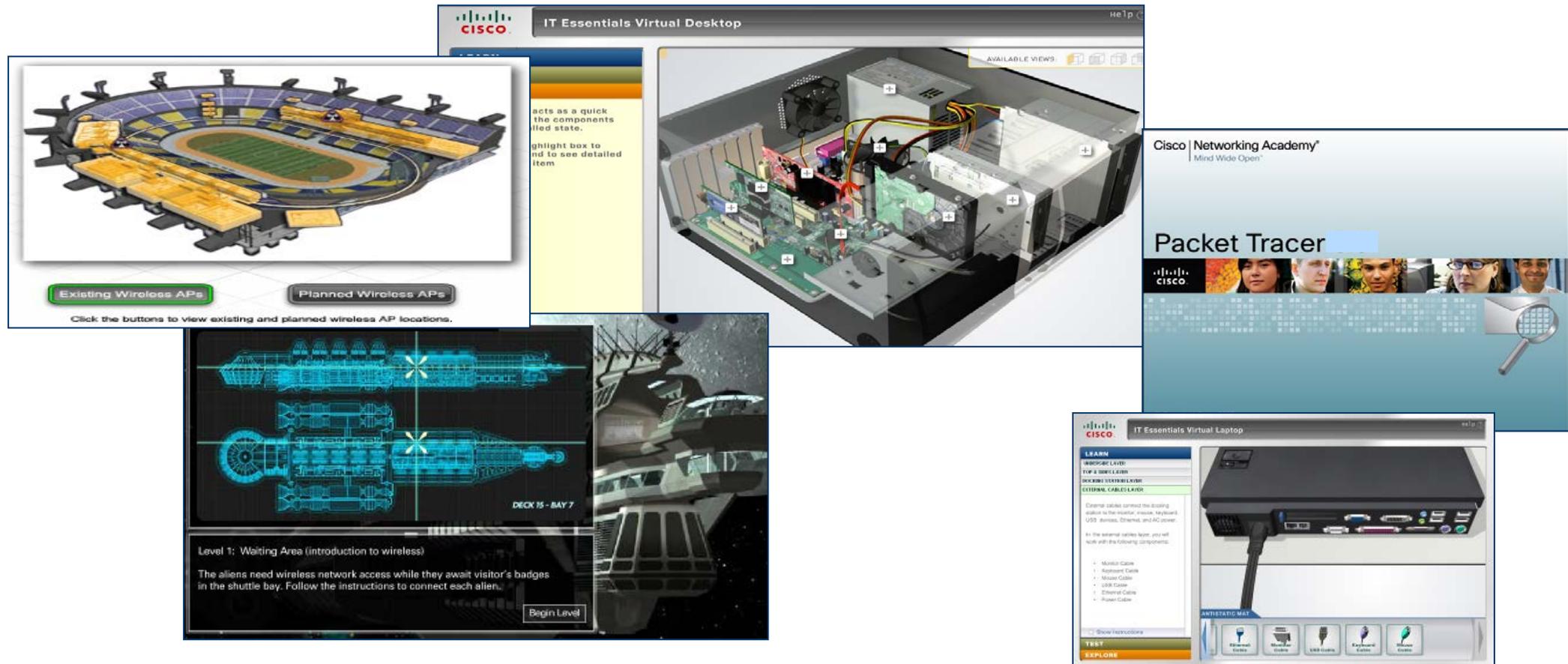
- Technical
- Business
- 21st century soft skills

Students Prepare for

- Entry-level careers
- Industry-recognized certifications
- Entrepreneurship
- Further education

You Learn Best by Doing

- Interactive activities, hands-on labs, quizzes, demos and games
- Simulations, virtual tools to build and troubleshoot networks, visualize network traffic, and collaborate on multi-user activities



NetAcad Course Delivery Options

Instructor-led



Courses that are opened and taught by an instructor in a face-to-face classroom, or in a blended classroom and distance-learning environment, or remotely.

Self-paced



Online, self-enroll courses that students complete at their own pace, sometimes within a set time frame. Self-paced offerings include podcasts.



What are the courses like?

Cisco Networking Academy

Benefits for Students

- Rigorous courses, online content, tools
- Ongoing assessment and personalized feedback
- Both individual instruction and independent study
- Experienced instructors delivering in-classroom content
- Critical 21st century skills
- Hands-on experience in labs working collaboratively and individually
- Preparation for industry-recognized certifications
- Pathways to higher education and career
- Access to global ICT support communities, career tools, and social networking



Courses Always Focus on You



- In-person and online instruction
- Hands-on practice
- Simulation games
- Easy-to-follow labs
- 24/7 tech support
- Online assessments



“In a global economy where the most valuable skill you can sell is your knowledge, a good education is no longer just a pathway to opportunity – it is a prerequisite.”

– President Obama, Address to Joint Session of Congress

Easy Course Navigation

Module 1
What is the IoE?

Module 2
Pillars of the IoE

Module 3
Connecting the Unconnected

Module 4
Transitioning to the IoE

Module 5
Bringing it all Together

Section 1.0
Introduction

Section 1.1
Internet of Everything

Section 1.2
The Value of the IoE

Section 1.3
Globally Connected

Section 1.4
Summary

Topic 1.0.1
Welcome

Page 1.0.1.1
Module 1: What is the
IoE?



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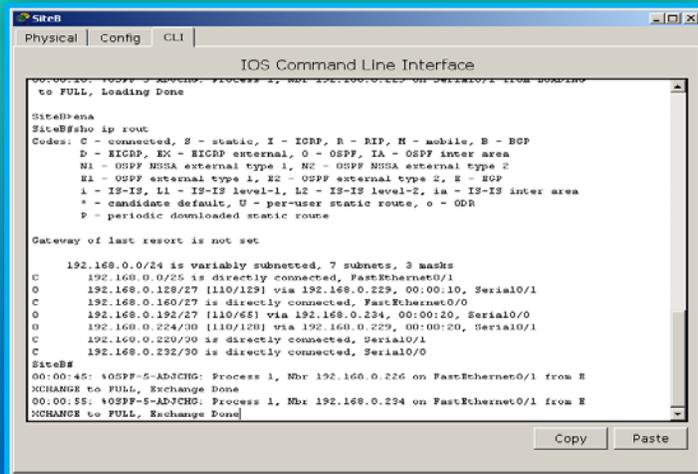


Return to
Class

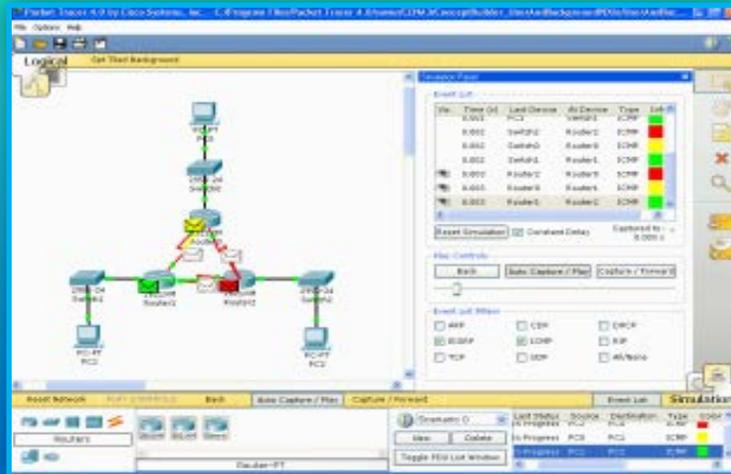
Cisco Packet Tracer

Simulation, Visualization, and Collaboration Tool

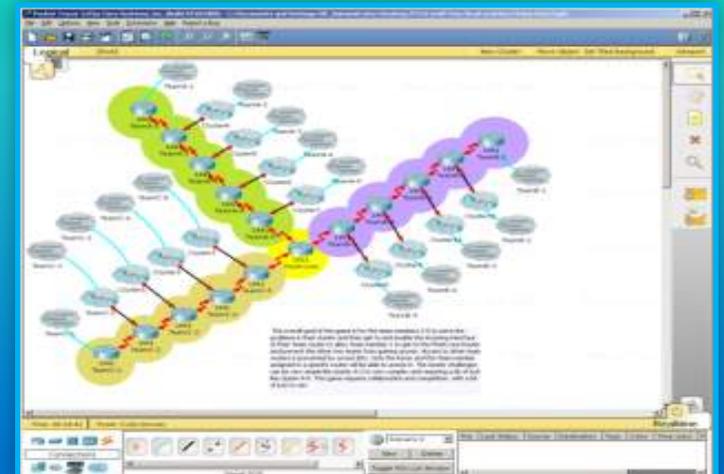
Simulate IOS Commands



Visualize Network Traffic



Collaborate on Multiuser Activities



Real-World Case Studies

2 Starting an Internet Cafe

2.1 Think like an Entrepreneur

2.1.1 Recognize a Problem



Passport21 to Entrepreneurship
Starting an Internet Cafe

The students on the train are Maria and Alex. They have recognized a problem in their lives. This problem is shared by many people in their town. When they realize that their problem has no readily available solution, they consider starting a new business to solve the problem. This is entrepreneurial thinking.

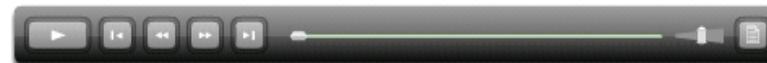
Entrepreneurs

Entrepreneurs create, operate, and assume the risk for a new business venture. They recognize that what some people see as a problem can be a business opportunity.

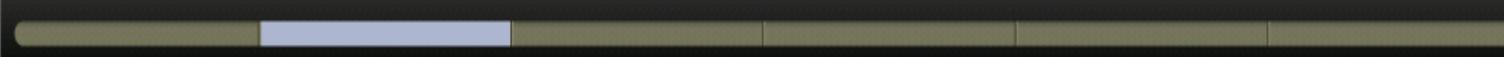
Many famous companies have been started because an entrepreneur wanted to solve a problem. Bill Gates was a problem solver. Before he started Microsoft, most software was too complicated and confusing. Gates solved this problem by creating software that was easier to use.

Problem solving is just one way to recognize a new business opportunity. There are six roots of opportunity:

- **Problem solving** - Obstacles or challenges that the business could solve



Click Play to hear the audio.



2.1.1.1

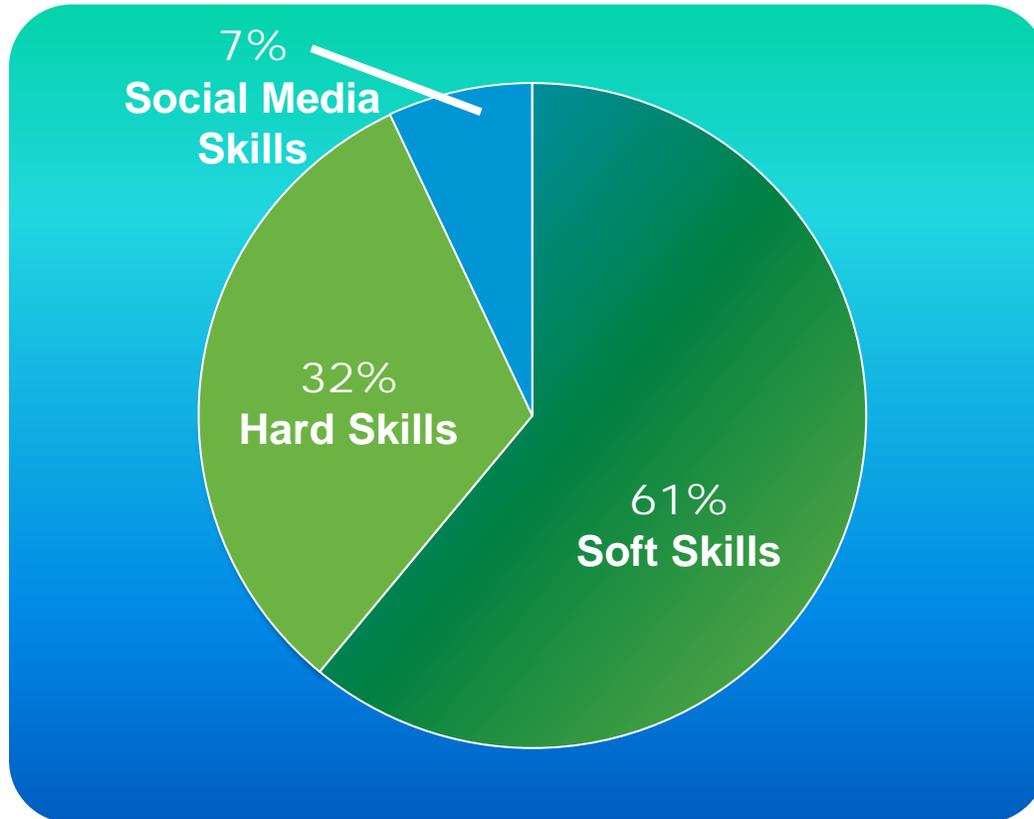
Go



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Career Skills Go Beyond Technical Ability

Which skills do employers say are most important?



[BusinessWeek, 2013](#)

93%
of employers reported that the capacity to think critically, communicate clearly, and solve complex problems is more important than an undergraduate major.

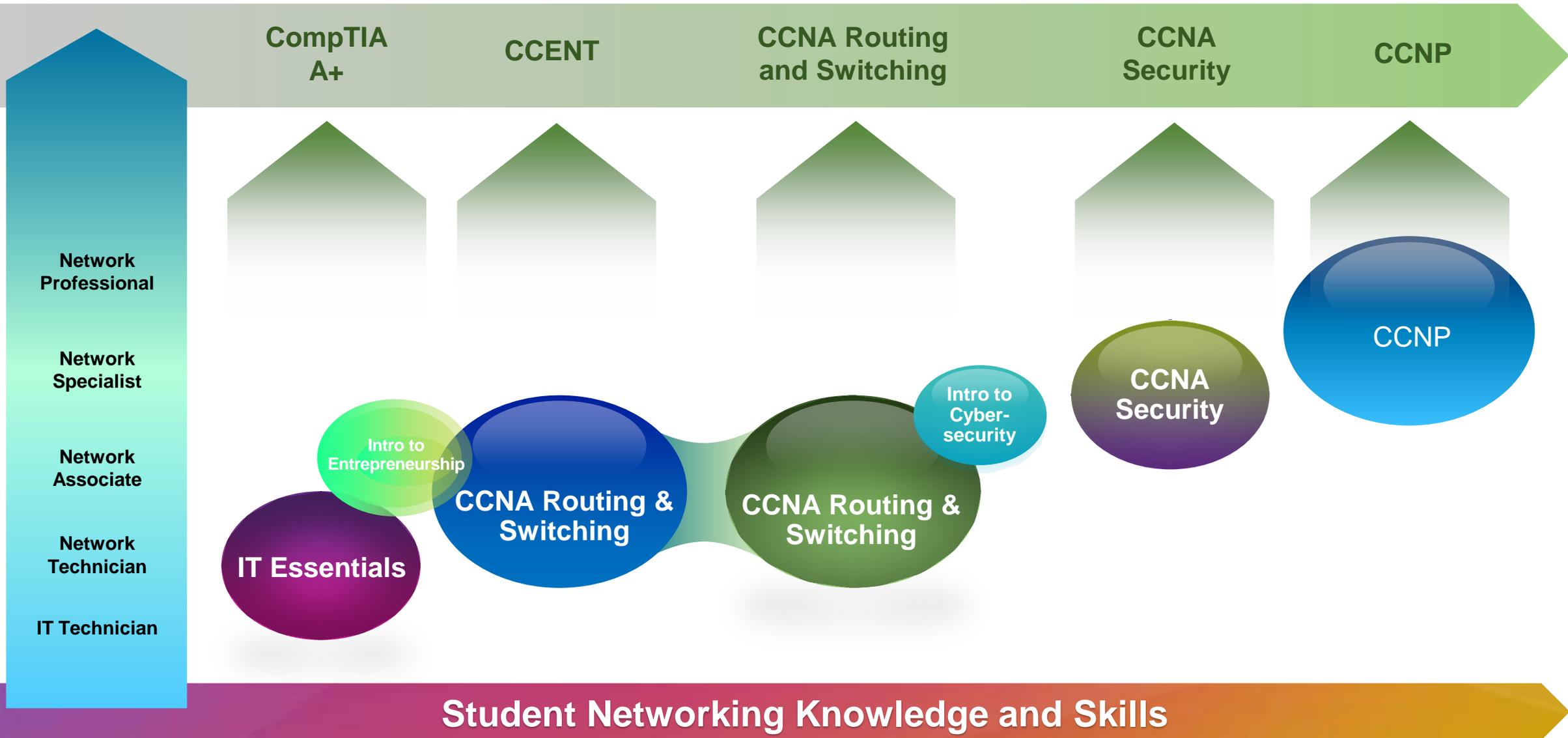
[Associated Press, 2013](#)

Career Skills Go Beyond Technical Ability

Students applying their skills at METC conference.

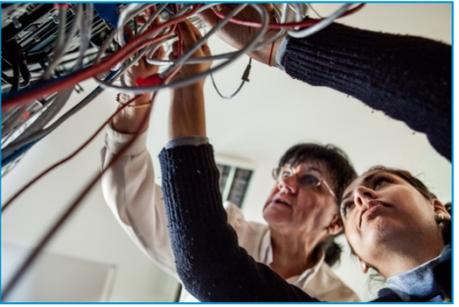
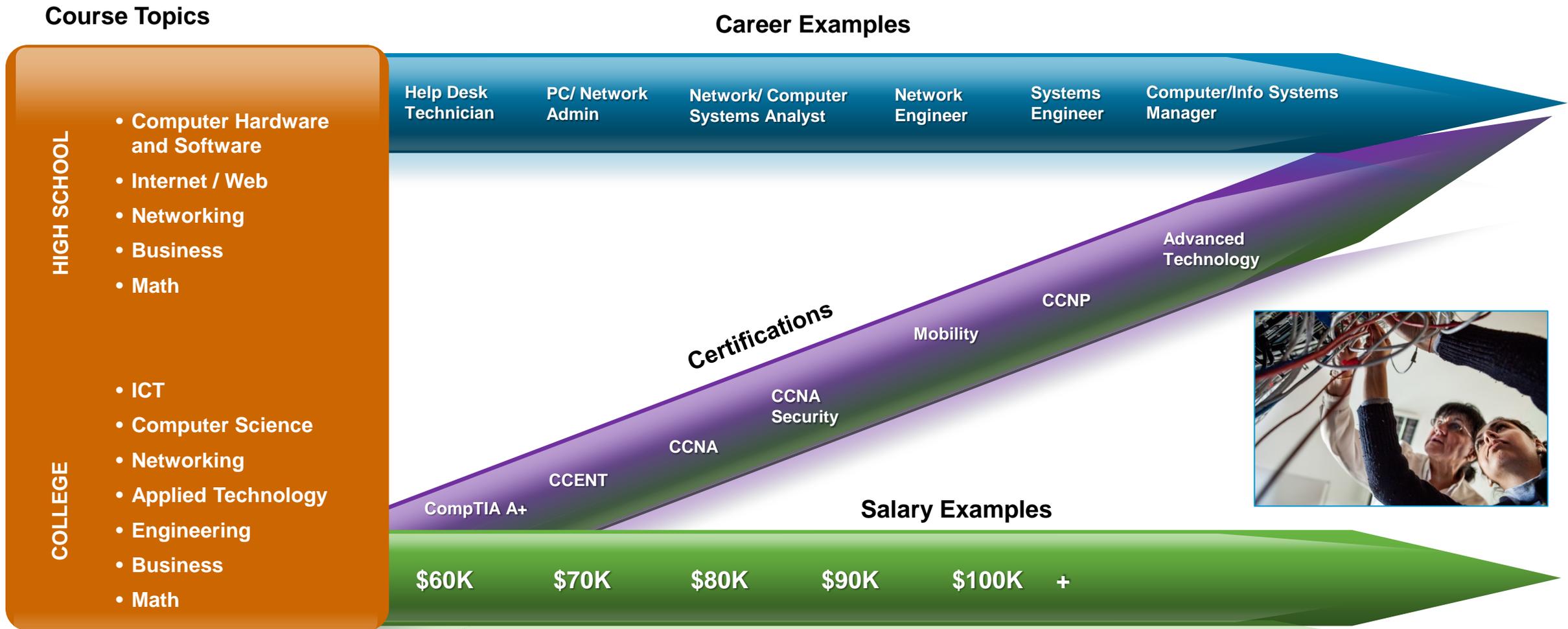


Courses Align with Industry Certifications



IT Essentials
CCNA Routing and Switching
Introduction to Cybersecurity
Introduction to Linux
Internet of Everything
Entrepreneurship
CCNA Security
Mobility Fundamentals
Python
C++

Courses > Certifications > Careers > Salaries



Many high schools provide college credit, duplicate enrollment, and other forms of articulation to save students time and costs.

Cisco Certifications Can Increase Salary

On average, Cisco certified individuals earn 9% more:





We are one of the World's Largest Classrooms

Since 1997

Countries Offering Courses

170

Instructors

20,000

Students

5 Million

Online exams taken

100 Million

Schools

9,000

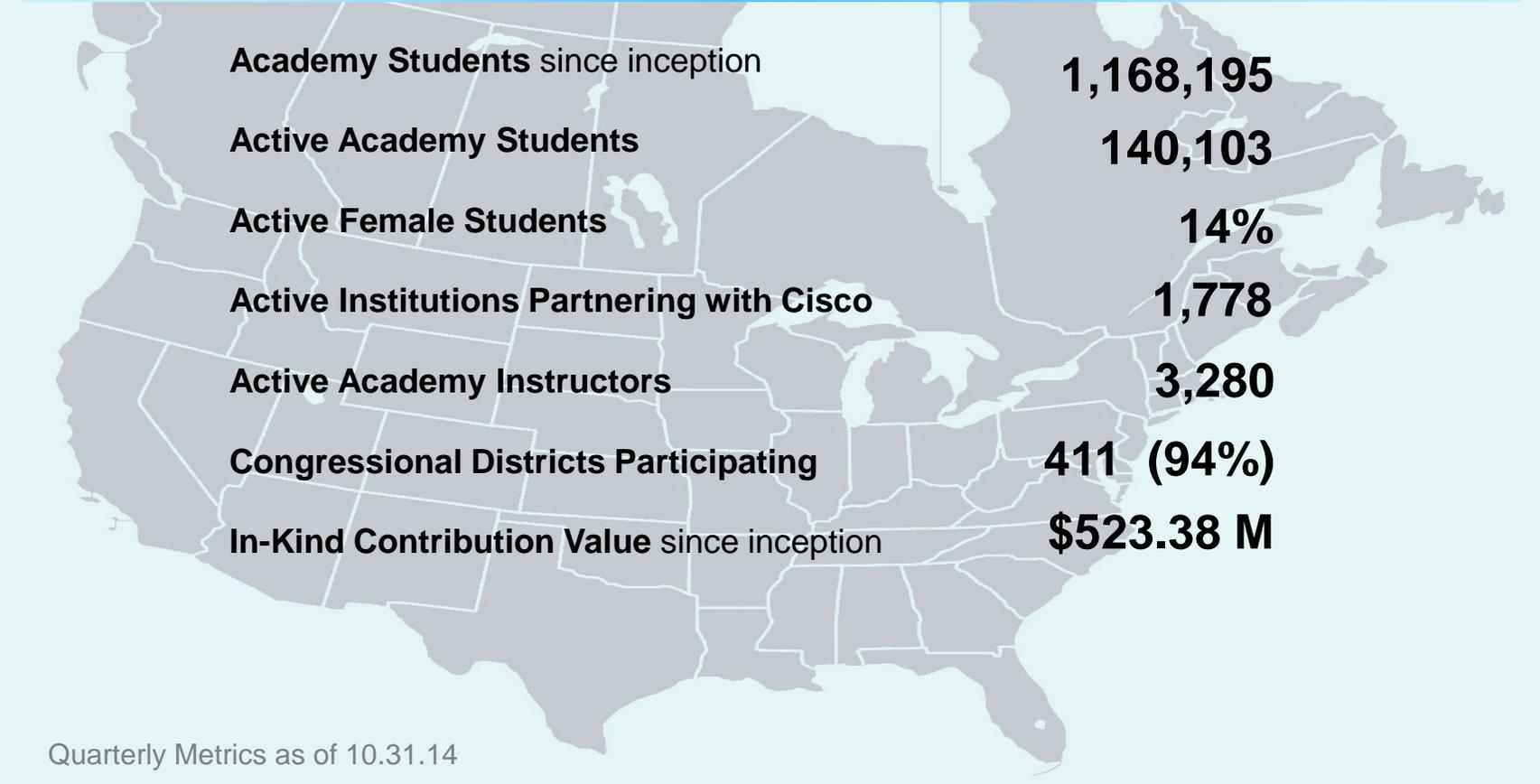
Languages Offered

19



U.S. National Impact

United States



Local Impact

Sample of North Tech Cisco Networking Academy Graduates - Current Positions - August 2017

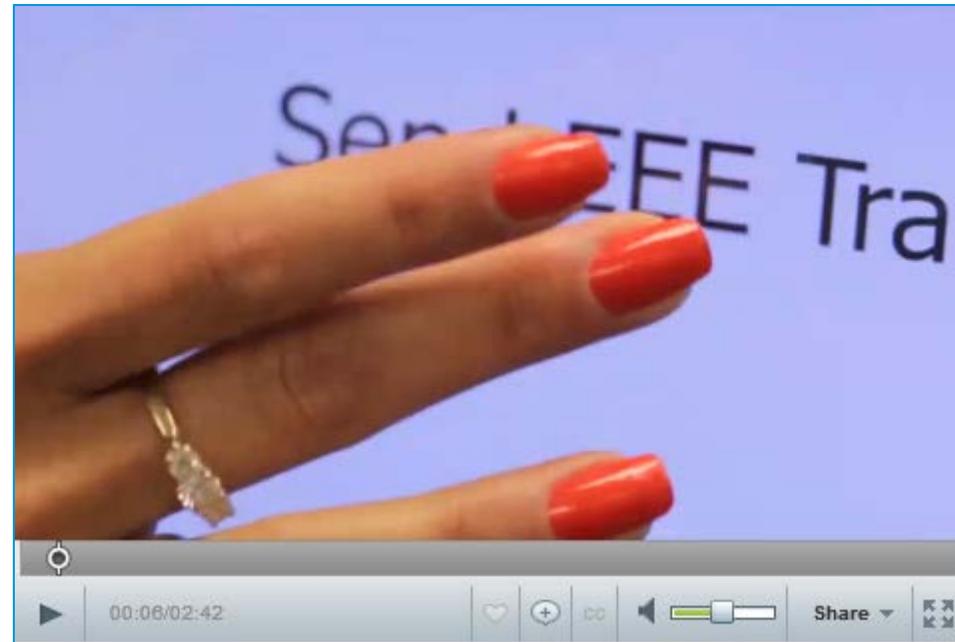
Student Name	Grad Year	Position	Company
Tom Wors**	06	Senior Applications Engineer	Equifax Workforce Solutions
Lamont McGee**	11	Senior Specialist - Network Support	AT&T
Stacy Bueneman**	09	IP Development Engineer	Spectrum (Charter Communications)
Jason Meyer**	09	Network Provisioner	Enterprise Holdings
Jamar Vales**	11	System Administrator	Sawdey Solution Services - Scott AFB
Donny Woldridge**	11	IT Consultant	Computype
Shawn Fletcher	05	It Help Desk Technician	Hussman Refrigeration
Kevin Killoran	05	Security Engineer	Connectria Hosting
Chris Funicelli**	09	Systems Administrator	STL-KC Carpenters Regional Council
Christian McIntosh	10	Network Infrastructure Technician	USAF - Einsiedlerhof Air Station - GER
Ian Montgomery	07	Aviation Communications System Chief	US Marine Corps
Rick Sherman	02	Senior Release Engineer (Network Platforms)	Puppet Labs
Christopher Peterson	10	Workforce Management Coordinator	Spectrum (Charter Communications)
Rashad Ross	08	Technology Specialist, Info Systems Instructor	St. Louis Community College
William Sinks	13	Help Desk Support	Office Max
Ryan Guinn	02	Operations Manager	Verizon Wireless
Carlton Curry	12	Associate Network Analyst	REJIS Commision
Chris Hillen	08	Cisco Instructor	State Technical College of Missouri
Tre Malik**	16	Associate Systems Engineer	Spectrum (Charter Communications)
Elbert Adams**	16	Associate Systems Engineer	Spectrum (Charter Communications)
Joshua Chapman	17	Help Desk Support	SSD of St Louis County

** - Denotes current advisory committee member

Girls in ICT: No Need for a 'Y' Chromosome

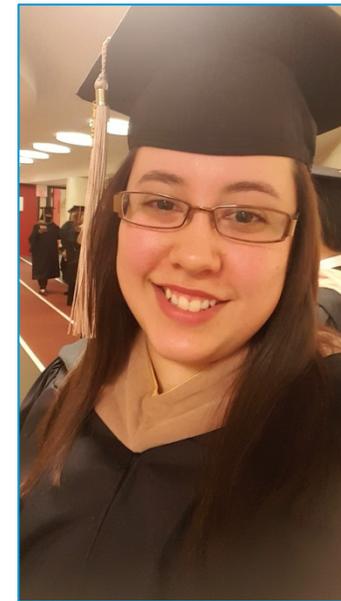
- Cisco Networking Academy also works to promote ICT education and careers for women. The percentage of female academy students continues to grow nationally.
- Here is a video used at the Girls in ICT Day in 2014 (features Cisco leaders):

<https://videosharing.cisco.com/vportal/VideoPlayer.jsp?ccsid=C-235d1b2b-646a-4164-84e5-c0e2d2f7f5db:1#>





Stacy Bueneman Charter Communications





Celina French North Tech HS





Elbert Adams Charter Communications





Gage Miller Ft. Zumwalt South HS





Josh Chapman North Tech HS





Myles Anderson North Tech HS





Thank you.



Q & A



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