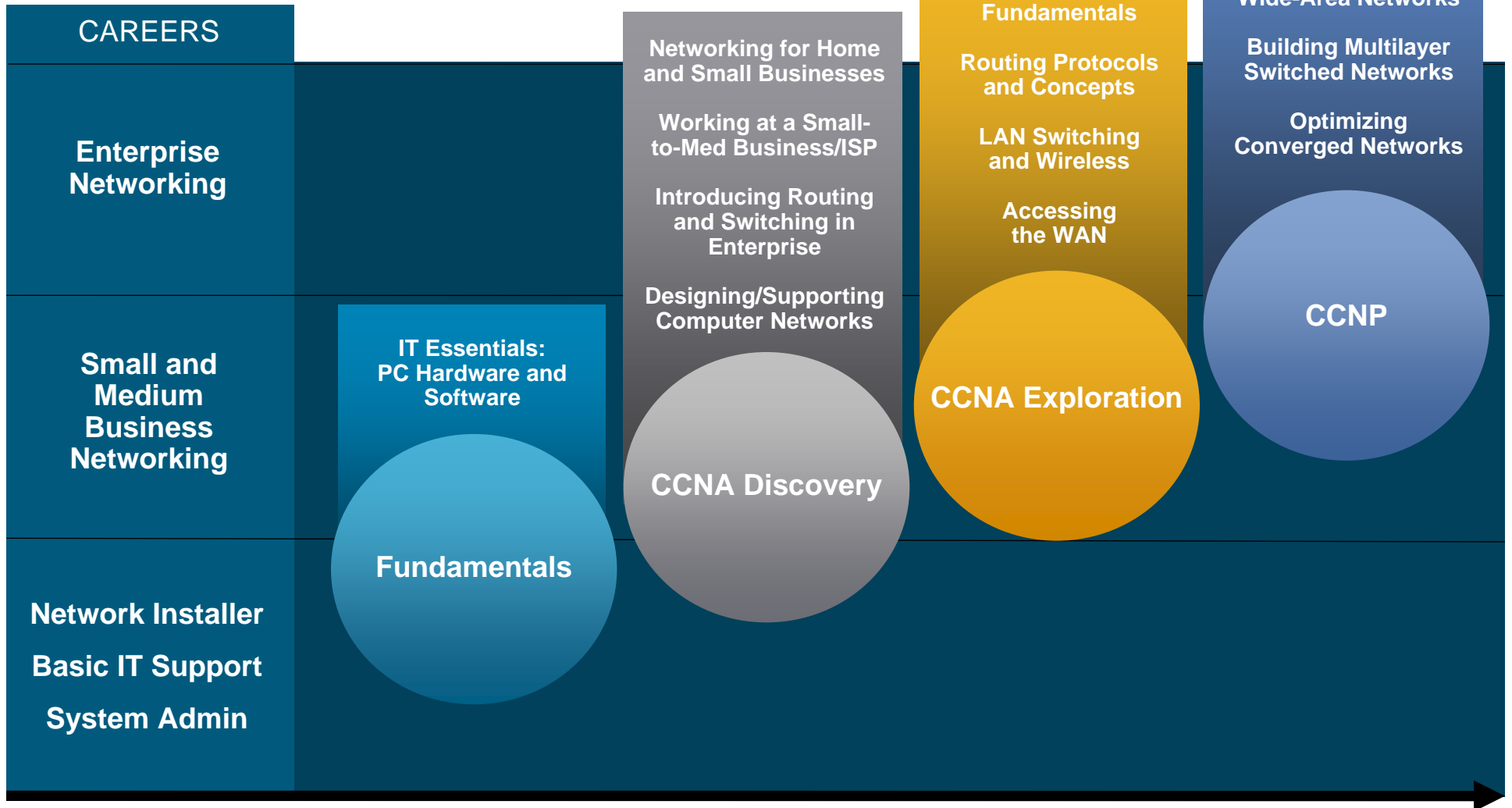


U.S. Education Implementation Examples

High School	Community College	4-Year College	Graduate Program
Program Areas			
<ul style="list-style-type: none"> ▪ Career Cluster: Information Technology, and across other clusters including Business and STEM ▪ Credit for core coursework in Math, Science, or Language Arts, and Career and Technical Education credit 	<ul style="list-style-type: none"> ▪ Applied Technology ▪ Business ▪ Computer Science 	<ul style="list-style-type: none"> ▪ Computer Science Engineering ▪ Information Technology ▪ Math 	
	Degrees		
	<ul style="list-style-type: none"> ▪ AS Computer Network Engineering ▪ AS Information Technology ▪ AS Network Technology ▪ AAS Computer Specialist ▪ AAS Information Technology ▪ AAS Network Engineering ▪ AAS Technology Network Support 	<ul style="list-style-type: none"> ▪ BS Engineering ▪ BS Computer Science ▪ BS Info Management Systems ▪ BS Networking ▪ BApp Technology in Information Systems-Network Engineering ▪ BA Networking and Communications Management 	<ul style="list-style-type: none"> ▪ MS Computer Information Technology ▪ MS Computer Science ▪ MS Information Systems ▪ MA Industrial and Technical Studies
Certifications			
<ul style="list-style-type: none"> ▪ CompTIA: A+ ▪ CCENT: Cisco Certified Entry Networking Technician ▪ CCNA: Cisco Certified Networking Associate 	<ul style="list-style-type: none"> ▪ CompTIA: A+ ▪ CCENT: Cisco Certified Entry Networking Technician ▪ CCNA: Cisco Certified Networking Associate ▪ CCNP: Cisco Certified Networking Professional 	<ul style="list-style-type: none"> ▪ CompTIA: A+ ▪ CCENT: Cisco Certified Entry Networking Technician ▪ CCNA: Cisco Certified Networking Associate ▪ CCNP: Cisco Certified Networking Professional 	<ul style="list-style-type: none"> ▪ CCNA: Cisco Certified Networking Associate ▪ CCNP: Cisco Certified Networking Professional
Careers			
<ul style="list-style-type: none"> ▪ Help Desk Technician ▪ System Administrator ▪ Desktop Support Technician ▪ PC and Network Support Technician 	<ul style="list-style-type: none"> ▪ Computer Support Specialists ▪ Computer Systems Analysts ▪ Network and Computer Systems Administrators ▪ Network Systems and Data Communications Analysts ▪ Computer and Information Systems Managers 	<ul style="list-style-type: none"> ▪ Network Engineer ▪ Systems Engineer ▪ IT Engineer ▪ Voice over IP Engineer/Architect 	

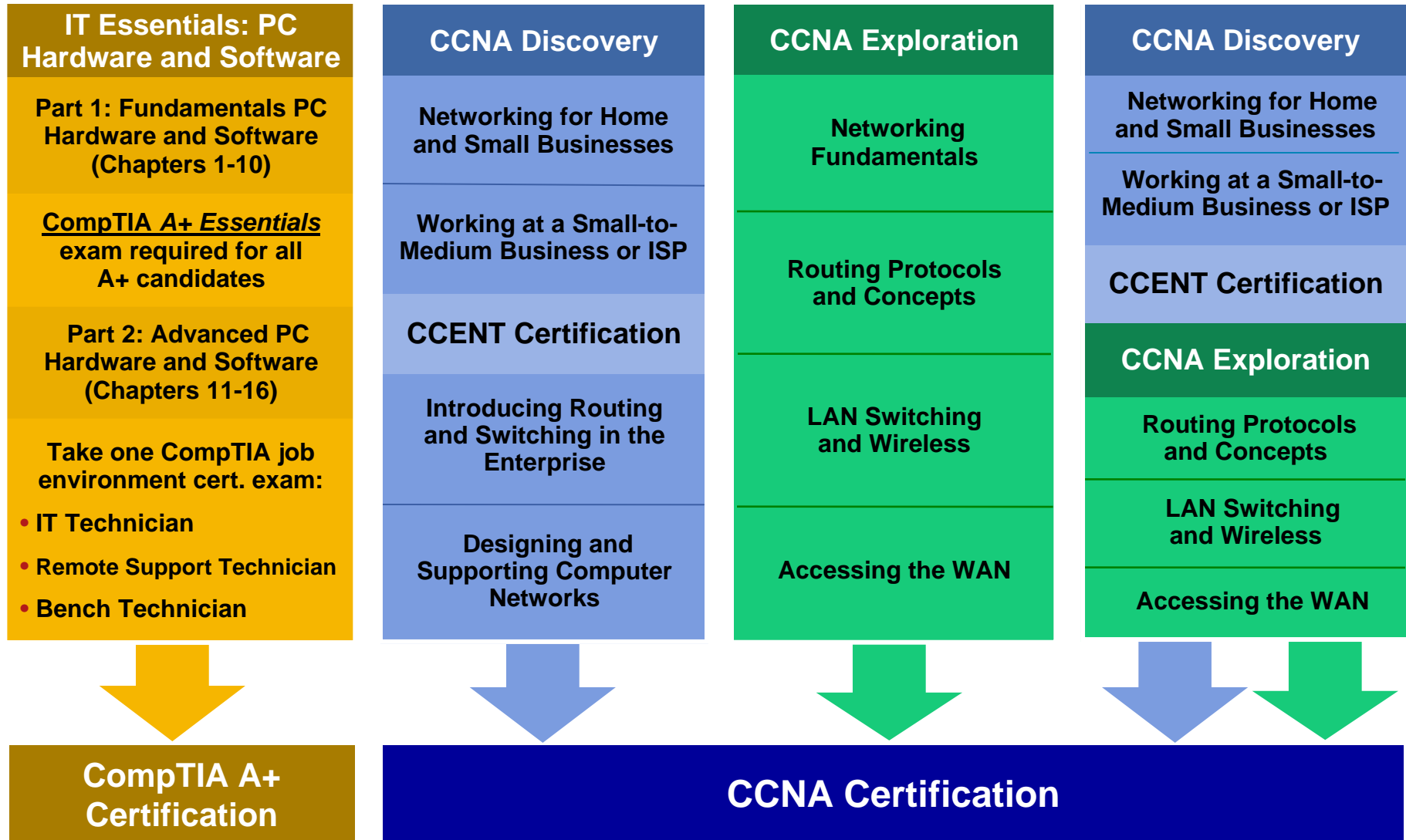
Cisco Networking Academy

“2.0” Portfolio



Student Networking Knowledge and Skills

Pathways to Certification



Industry Certification Exams

CCENT Curricula

CCNA Discovery

- Networking for Home and Small Businesses
- Working at a Small-to-Medium Business or ISP



CCENT Exam
ICND1 (640-822)

CompTIA A+ Curricula

IT Essentials: PC Hardware and Software



CompTIA A+ Exams

220-602 - IT Technician
220-603 - Remote Support Tech
220-604 - Depot Technician

CCNA Curricula

CCNA Discovery

- Networking for Home and Small Businesses
- Working at a Small-to-Medium Business or ISP
- Intro to Routing and Switching in the Enterprise
- Designing and Supporting Computer Networks

- OR -

CCNA Exploration

- Network Fundamentals
- Routing Protocols/Concepts
- LAN Switching and Wireless
- Accessing the WAN



CCNA Exams
CCNA (640-802) Composite
or ICND1 (640-822) and
ICND2 (640-816)

CCNP Curricula

CCNP

- Building Scalable Networks
- Implementing Secure Converged Wide-Area Networks
- Building Multilayer Switched Networks
- Optimizing Converged Networks



CCNP Exams

These three exams:
Composite (642-892)
ISCW (642-825)
ONT (642-845)

Or these four exams:
BSCI (642-901)
BCMSN (642-812)
ISCW (642-825)
ONT (642-845)