Comprehensive Technology Program for All

Giving our students the technical and cognitive skills they need to excel in today's job market

Our 21st century economy runs on digital networks. Organizations Of all kinds depend on a workforce educated to design, build and operate these networks. Analysts expect the information and communications technology (ICT) sector to generate an increasing number of high-skill, In-demand jobs across a broad spectrum of industries. By 2015, it is expected that 90% of jobs will require technology skills and almost all jobs will be ICT-enabled.[1]

But there aren't enough people with the expertise to fill these positions. Our students are ready to take up the challenge. All they need is the opportunity, and we provide that by adding Cisco Networking Academy courses to our education program.

- **Hands-on labs**, simulations and games

- **Real-world projects** to develop relevant job skills

- **Adaptable** for diverse programs and learning styles

- **Instructor customization** of quizzes, activities and games

- **Innovative online assessments**

- **Instructor training** and professional development

- **Lab equipment**

Leverage Cisco expertise for social impact.
Cisco is the acknowledged world leader in networking technology. Its comprehensive Networking Academy education program brings research and outcome based courses to schools, colleges, universities, and nonprofits worldwide.

Courses range from computer basics to advanced networking and prepare students for globally-recognized certifications. Cisco develops the content and provides 24/7 teaching and learning resources. Schools and colleges provide instructors, classroom space, and lab facilities.

Networking Academy is Cisco's largest corporate social responsibility effort in education. Since 1997, more than 4 million students have taken academy courses, covering a wide spectrum of age, background, and career goals.

Embrace innovative teaching and learning tools.
Networking Academy curricula integrate leading edge education theory and tools with the latest global networking technology. A flexible ecosystem trains and supports local instructors without limiting their options, and comprehensive interactive student assessments provide immediate learning feedback.

Ongoing validation ensures an effective, up-to-date assessment strategy.
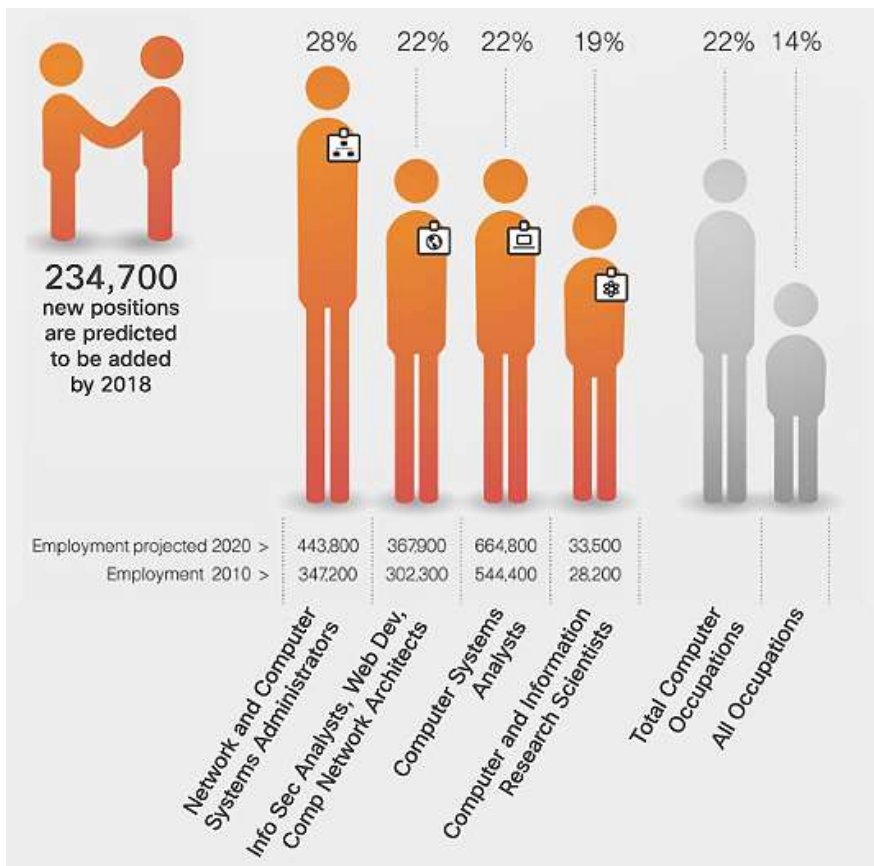
Increase student engagement in technology.
Courses address ICT learning goals and support increased student engagement, better career preparation, and enhanced teacher expertise.

"Students not only learn technology; they also learn to implement it as part of a team, helping others and taking advantage of their individual strengths. They end up understanding the big picture, the 'why' of what they're learning."–*Rey Gonzalez, consulting engineer and academy instructor*

Launch your students into an expanding job market.
With technological advances, organizations' use of and reliance on their networks will continue to grow, increasing the demand for employees with ICT and networking skills.

As shown in Table 1, We projects that the number of network and computer systems architects will grow 28% by 2020 — twice as fast as all occupations in general.

To encourage employment for Networking Academy students, Cisco encourages its partners and customers to work with nearby academy schools to identify talent, contribute to student development, and strengthen their regional workforce.

"Taking the academy courses was the best decision I ever made. It has defined my career, my future, and my life."–*Stephen Lynch, ICT professional and academy mentor*

Figure 1.
Fastest Growing ICT Careers

Prepare today's learners for a flexible future.
ICT skills enhance every pathway to success, whether a student is planning a technology career, pursuing another field, or starting a business. Academy courses effectively inspire students because they are:

- **Innovative:** instruction engages today's learning styles, combining lectures, hands-on labs, simulations, games and online assessments
- **Relevant:** projects reflect real-world situations, letting students practice thinking critically, collaborating for results, and presenting ideas clearly
- **Current:** lessons and labs are developed and updated by subject-matter experts who work directly with evolving equipment and concepts

- **Career-focused:** extracurricular events and online communities encourage student involvement and provide career development
- **Consistent:** instructors are trained and receive ongoing professional development to ensure consistency of delivery and teaching excellence
- **Accredited and aligned:** courses prepare students for ANSI-accredited certifications, and align with university Career Clusters, Common Core, Next Generation Science, and 21st Century Skills

> **"By drawing from and advancing the leading edges of research and practice in areas such as learning, assessment, and digital simulation, Networking Academy provides formative and summative assessments with the breadth and depth to support student progress and success in their training in ICT."** *–Roy Levy, Associate Professor, Measurement and Statistical Analysis, Arizona State University*

Reduce expenses and developmental overhead.
Courses can be implemented immediately, with little developmental time and expense, or used to accentuate computer science, engineering, networking or ICT degree programs. They are licensed free to nonprofit institutions, and lab equipment discounts are available. Instructional materials are available 24/7 online - no textbook purchases are required. Free tools include online assessments, interactive teaching guides, and grade books. Optional tools are available at a nominal cost from

Cisco Press, including companion guides, lab manuals, video mentors, and certification exam prep materials.
Ensure instructor professional development.
Keep your instructors focused on student outcomes:

- Instructor community portals share teaching best practices and recognize instructors for successful outcomes. Instructor training webinars address new teaching tools and curricula updates.
- The annual global Instructor Academy Conference hosts professional development and peer collaboration sessions (continuing education).

> **"Networking Academy's simulation-based learning tools emerged from close collaboration with scientists at leading university labs and research organizations. These digital environments are recognized as both cutting-edge scientific advances and practical aides that help academy students learn network engineering more deeply."** *–Dr. Robert Mislevy, Frederic Lord Chair in Measurement & Statistics, Educational Testing Service*

Courses

IT Essentials: PC Hardware and Software	Computer fundamentals and intro to advanced concepts. Aligns with CompTIA A+ certification.
CCNA® Routing and Switching	Networking theory, practical experience, soft-skills development, and career exploration. Aligns with CCENT and CCNA certification.
CCNA Security	Installation and troubleshooting network integrity, confidentiality, and availability of data and devices. Aligns with CCNA Security certification.
CCNP®	Advanced configuration, installation and trouble-shooting of enterprise networks. Management of wireless, security and voice applications. Aligns with CCNP certification.
LINUX Essentials	Provides user and administration of open source Linux operating systems. Aligns to Linux professional institute certification.
Voice over Internet Protocol	An introduction to voice on a data network (VoIP), teaching students how to configure and connect a basic VoIP-to-VoIP network.
Cloud Computing	Designed to equip students with the skills and knowledge to appreciate and apply various technological concepts which constitute cloud computing.

Supplemental Learning Materials

Cisco Packet Tracer	A powerful visualization/simulation tool for students and instructors to design, build, troubleshoot and experiment with virtual networks. Used to explore technical concepts and networking system designs in a safe, virtual environment.
Cisco Passport21 to Entrepreneurship	A series of case studies, simulations and interactive tools designed to help students develop critical business and financial skills, and inspire them to be entrepreneurs.
Cisco Aspire	An engaging virtual educational game that allows students to solve business and technical challenges as they complete projects for clients.
Cisco Health Information Networking (HIN)	A supplemental course teaching students how to design, implement, monitor and troubleshoot networks in healthcare environments.
Social media tools	Networking Academy pages on Facebook, Twitter, LinkedIn, and our Instructor Community site connect students and instructors around the world to encourage collaboration and learning outside the classroom.

Cisco certification levels offer a variety of career pathways.
Networking Academy students prepare to earn Cisco certifications, hallmarks of technical competence that are highly valued in the ICT industry around the world.
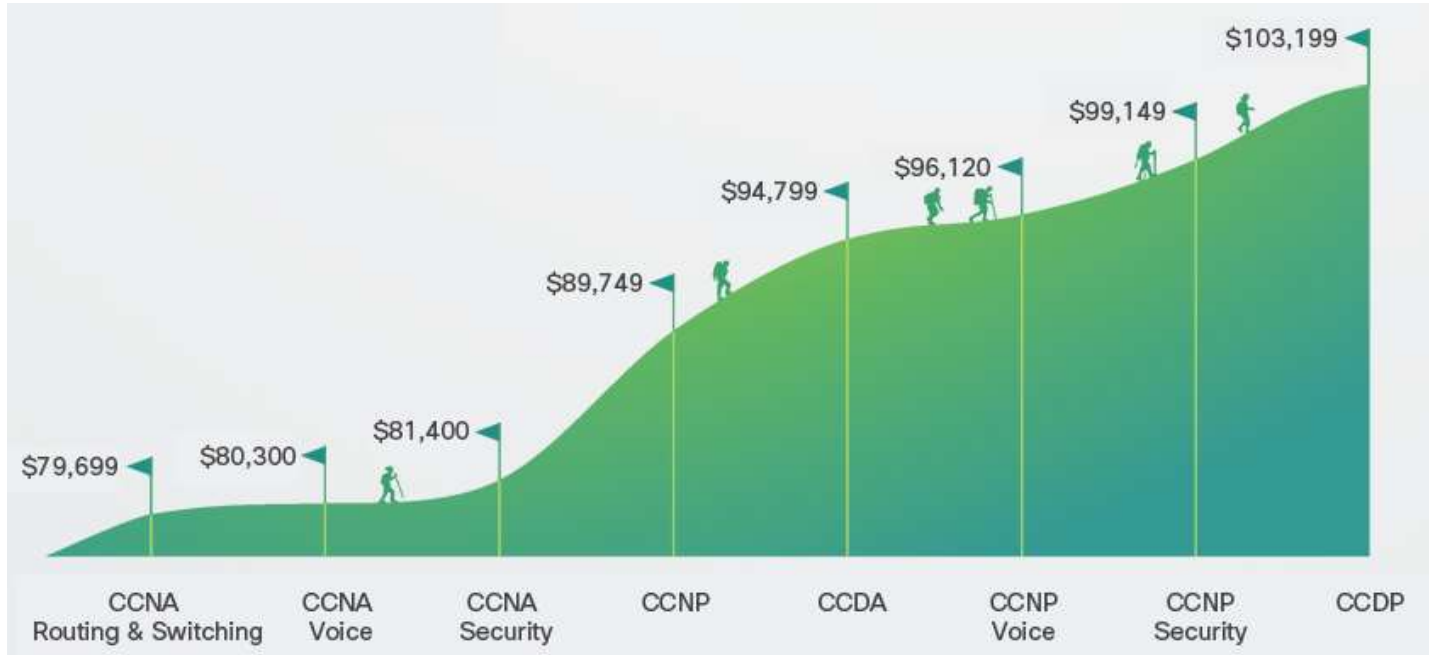
Figure 2.Advancing certification can result in higher salaries *www.globalknowledge.com*

Tuition

Classes are offered at KCA University, Ruaraka as follows:

Saturday		9.00 am -2.00 pm
Evening classes	Monday – Friday	5.30pm- 7.30pm.
Town campus	Monday-Friday	9.00 am to 4.30 pm

Tuition fees (Ksh)

Registration	500
CCNA (per level)	10,000
CCNA Security	20,000
CCNP 1-3 (per level)	20,000
Voice over Internet Protocol	5,000
Cloud Computing	5,000

For more information contact:-

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