



Cisco Networking Academy: Louisiana Profile

Cisco® Networking Academy® is playing a critical role in the U.S. economic recovery by preparing students for the sustainable jobs that government, education and industry all agree will fuel America's ability to innovate and compete, not just today but in the future. As the focus turns to infrastructure, Networking Academy provides students with critical IT and networking skills to design, build, and maintain the infrastructure highway that both the public and private sector now depend on for sustainability.

The new Obama administration clearly recognizes the importance that technology plays in preparing students to compete in a 21st century global economy. In a speech on January 8, 2009, at Virginia's George Mason University, President Obama highlighted the current science and technology skills gap in the United States and the urgent need to address it:

“To give our children the chance to live out their dreams in a world that’s never been more competitive, we will equip tens of thousands of schools, community colleges, and public universities with 21st century classrooms, labs, and libraries. We’ll provide new computers, new technology, and new training for teachers, so that students in Chicago and Boston can compete with kids in Beijing for the high-tech, high-wage jobs of the future.”

Cisco Networking Academy is a proven model for delivering 21st century learning because it delivers:

- rigorous and interactive curricula licensed at no cost to nonprofit educational institutions
- an e-learning platform that supports different learning styles
- web-based content available to students 24/7
- online assessments
- student performance tracking
- hands-on labs
- instructor training and support

Networking Academy is a unique public-private partnership between educational institutions, national, state and local government, and community-based organizations, currently educating more than 128,000 students in over 2,200 U.S. educational institutions.

As an education solution, Networking Academy encourages seamless educational pathways between secondary and post-secondary institutions by using curricula aligned to national and state education standards for math, language arts, and technology and industry certifications. These courses also help students prepare to pursue degrees related to science, technology, engineering, and math (STEM). Networking Academy courses provide instructors with tools to help students make the connection between their educational experience and their careers. In the United States, academies are located in high schools, technical schools, colleges, universities, and community-based organizations.

Cisco Networking Academy provides:

- IT and networking skills mapped to high-skill, high-demand, high-wage 21st century jobs across virtually every industry
- sustainable partnerships at all levels of education, including community colleges at the forefront of workforce development and retraining

- strong alignment with high school career and technical education programs that build technical skills and create pathways for high school graduates going either directly into the workforce or on to post-secondary education
- the skilled pipeline of talent required to design, build and maintain the infrastructure needed for economic recovery

Included in each state profile are Networking Academy statistics, IT workforce projections, and student/graduate stories. These state-by-state profiles will provide you with important information about the value Cisco brings to government, education and business through delivery of IT/networking skills and knowledge. Cisco Networking Academy educates the architects of today's networked economy.

Profiles are updated annually with core content, and we will continue to add student/graduate profiles. For your convenience, the library of profiles for each state, plus the District of Columbia and the United States as a whole, are accessible at <http://www.cisco.com/go/netacadresourcecenter>.

We welcome your suggestions for future profiles. Please send any questions and feedback to our U.S. Marketing Team via Nancy Bischoff at nbischof@cisco.com.

Learn More

Table 1 lists data about academies in Louisiana. Table 2 lists information about Networking Academy curricula in Louisiana, and Table 3 shows information by student education level.

For additional information about Cisco Networking Academy, visit <http://www.cisco.com/go/netacad>

Table 1. Cisco Networking Academy in Louisiana

Networking Academy students	1148
Female Networking Academy students	26% female
Distinct cumulative academy students (having successfully completed a course)	3471
Academies	29
Academy instructors	53
Total estimated cumulative contribution value to Louisiana academies*	\$2,405,725

Sources: AME/MRE FULL Package_10 31 08 Quarterly Metrics Date: Nov 13, 2008

Cumulative students are distinct; therefore, each student is only counted once.

*This estimate includes donations and discounts made to educational institutions implementing Cisco Networking Academy within Louisiana.

*Sources: AME/MRE report #3616student and instructor enrollment by year 2008.11.24_JBZ_v8.xls

Table 2. Networking Academy Curricula in Louisiana

Curriculum	All	ITE	CCNA 1, 2	CCNA 3, 4	Advanced Technologies and Other*
Number of academies by curriculum	29	66%	52%	38%	21%

The above curricula represent the core Networking Academy curricula.

*Includes CCNP, Security, Wireless, Java, UNIX and Panduit Network Infrastructure Essentials (PNIE)

Academies often teach multiple curricula and may be counted more than once in this table.

Source: AME/MRE rpt #3651 as of 10.31.08 v2 Date: Dec 8, 2008

Table 3. Louisiana Academies and Students by Education Level

Education Level	Total Number	Secondary Schools	Community Colleges	Universities	Other
Louisiana Students*	1148	45%	55%	0%	0%
Louisiana Academies*	29	60%	40%	0%	0%

Sources: AME/MRE FULL Package_10 31 08 Quarterly Metrics Date: Nov 13, 2008

*For academies that self identify as more than one education level, the academies and students in this table are distributed proportionately across the education levels.

Academies represented in "Other" category include the following: community-based organizations, middle schools, the military, nontraditional educational settings, and post-graduate institutions.



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Active Cisco Networking Academies in Louisiana U.S. Congressional District Database

Data for this report was gathered using the U.S. Congressional District Database. This tool was developed to communicate with congressional representatives about Cisco Networking Academy implementation in their home districts. The database maps actively teaching academies by congressional district or by all districts within a state, providing academy name, city, state, and congressional district. The listing by state is updated annually.

Table 4 lists information about academies in Louisiana congressional districts.

Table 4. Networking Academies in Louisiana Congressional Districts

Number of Louisiana Congressional Districts	Number of Louisiana Congressional Districts <u>with</u> Networking Academies	Number of Louisiana Congressional Districts <u>without</u> Networking Academies	% Louisiana Congressional District Penetration
7	7	0	100%

Academies listed here have taught a class with at least three students, or adopted a new curriculum, within the last twelve months

Source: MRE/Academy Connection, U.S. Congressional District Database Date: October 31, 2008

Active Louisiana Cisco Networking Academies by Congressional District

* Indicates Cisco Networking Academy Training Center

Academies listed here have taught a class with at least three students, or adopted a new curriculum, within the last twelve months

Source: MRE/Academy Connection, U.S. Congressional District Database Date: October 31, 2008

Congressional District 1

- Archbishop Chapelle High School (Metairie)
- Covington High School (Covington)
- Fontainebleau High School (Mandeville)
- Grace King High School (Metairie)
- LTC - Hammond (Hammond)
- LTC- Sullivan (Bogalusa)

Congressional District 2

- Academy of Our Lady (Marrero)
- Cuillier Career Center (Marrero)
- McDonogh 35 High School (New Orleans)
- Walter L. Cohen Senior High School (New Orleans)

Congressional District 3

- L.E. Fletcher Technical Community College (Houma)
- *LTC Teche Area Campus (New Iberia)
- LTC Young Memorial Campus (Morgan City)

- New Iberia Senior High (New Iberia)
- St. Charles Catholic High School (La Place)
- South Terrebonne High School (Bourg)

Congressional District 4

- Caddo Career and Technology Center (Shreveport)
- LTC Sabine Valley Campus (Many)
- LTC- Shreveport (Shreveport)
- Southern University-Shreveport (Shreveport)

Congressional District 5

- LTC-Delta Ouachita (West Monroe)

Congressional District 6

- *LTC-Baton Rouge (Baton Rouge)
- Central High School (Baton Rouge)
- Joy Corporation (Zachary)
- McKinley High School (Baton Rouge)
- St. Joseph's Academy (Baton Rouge)

Congressional District 7

- JDSB--LTC Morgan Smith Campus (Jennings)
- LTC T.H. Harris Campus (Opelousas)
- LTC-Lafayette (Lafayette)
- Sowela Technical Community College (Lake Charles)



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Cisco Networking Academy: Workforce Development in Louisiana

Cisco® Networking Academy® is ready to help U.S. workers learn critical IT and networking skills through academies located in high schools, community colleges, four-year colleges, and nontraditional settings. Developing in-demand technical skills in a timely, focused program enables students to quickly find and retain sustainable, high-paying jobs. Academy courses map to industry certifications and prepare students for technical jobs in a new, improved technical infrastructure across the nation. Even students who complete introductory courses will be prepared to work for companies that depend on a technical infrastructure for business sustainability.

“Obama’s pro-tech agenda could increase the number of technology jobs in the United States by 10 percent, adding about 300,000 high-paying IT positions.” –Katherine McGuire, VP of government relations, Business Software Alliance ¹

“Even with this economic downturn, the jobs outlook in IT for 2009 is better than that of many other industries, since IT is no longer at the peripheral of industries but at the core of their competitive edge, and IT will play a critical role in the infrastructure build out.” –David Foote, CEO of Foote Partners LLC, which analyzes IT wages and hiring data ¹

As the U.S. remains focused on economic recovery throughout 2009, there is a growing emphasis on upgrading the educational infrastructure to deliver the required knowledge and skills to build the needed technical workforce to support and maintain technology infrastructure assets and requirements. Just as the interstate highway investment created millions of construction jobs, which were then followed by maintenance and automotive jobs in the long term, so technology investments will initially create jobs necessary to design and deploy technology infrastructure, and these jobs will be followed by an array of new business opportunities.

“Investments in America’s digital infrastructure will spur significant job creation in the immediate term. An investment of \$40 billion in IT network infrastructure in 2009 will create more than 949,000 U.S. jobs, more than half of which will be in small businesses.” –Technology CEO Council press release ²

Cisco Networking Academy addresses the need for 21st century teaching and learning models that prepare students to move into the pipeline of talent needed to fill these high-skill, high-wage, high-demand careers.

“We will enable students of all ages to learn in 21st century classrooms, labs, and libraries, to help our students compete with any worker in the world.” –American Recovery and Reinvestment Plan press release ³

In a recent report, the Information Technology and Innovation Foundation “finds that investments in America’s digital infrastructure will spur significant job creation in the short run. Specifically, ITIF estimates that an additional investment of \$30 billion in America’s IT network infrastructure in 2009 will create approximately 949,000 U.S. jobs.” ⁴

¹ Computerworld, 1/5/09, *Stimulus could create thousands of IT jobs*, <http://www.computerworld.com/action/article.do?command=viewArticleBasic&articleId=331783>

² Technology CEO Council, Wash. D.C. 1/29/09, http://www.techceocouncil.org/index.php?option=com_content&task=blogsection&id=8&Itemid=159

³ American Recovery and Reinvestment Plan press release, 1/16/09, <http://appropriations.house.gov/pdf/PressSummary01-15-09.pdf>

⁴ ITIF, 1/7/09, *The Digital Road to Recovery: A Stimulus Plan to Create Jobs, Boost Productivity and Revitalize America*, <http://www.itif.org/index.php?id=212>

IT Occupational Data

Table 5 lists information about IT-related occupations in the United States, and Table 6 lists this information for Louisiana.

Table 5. Selected IT-Related Occupations in the United States

Occupation	Employment		Employment Change		Average Annual Openings	Occupational Employment as of May 2007*
	2006	2016	Numeric	Percent		
Computer Support Specialists	552,000	624,000	71,000	21.9	24,000	525,570
Computer Systems Analysts	504,000	650,000	146,000	29	28,000	446,440
Network and Computer Systems Administrators	309,000	393,000	83,000	27	15,000	309,660
Network Systems and Data Communications Analysts	262,000	402,000	140,000	53.4	19,000	216,050
Computer and Information Systems Managers	264,000	307,000	43,000	16.4	9,000	264,990

U.S. Department of Labor, Bureau of Labor Statistics, <http://www.projectionscentral.com>, based on data availability as of October 31, 2008

*U.S. Department of Labor, Bureau of Labor Statistics, May 2007 State Occupational Employment and Wage Estimates (US), <http://stat.bls.gov/oes/current/oesrcst.htm>

Table 6. Selected IT-Related Occupations in Louisiana

Occupation	Employment		Employment Change		Average Annual Openings	Occupational Employment as of May 2007 [^]
	2006	2016	Numeric	Percent		
Computer Support Specialists	4370	5120	760	0.2	210	4200
Computer Systems Analysts	2370	3170	790	0.3	140	1890
Network and Computer Systems Administrators	1910	1610	430	0.4	70	1240
Network Systems and Data Communications Analysts	2150	3430	1280	0.6	170	1280
Computer and Information Systems Managers	1520	1850	330	0.2	60	1300

Source: Louisiana Workforce Commission, http://www.laworks.net/LaborMarketInfo/LMI_OccAllProj.asp?years=20062016, based on data availability as of January 23, 2009

[^] U.S. Department of Labor, Bureau of Labor Statistics, May 2007 State Occupational Employment and Wage Estimates (by state), <http://stat.bls.gov/oes/current/oesrcst.htm>



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Louisiana Student and Graduate Profile

During the middle of her Cisco® Certified Network Associate (CCNA®) training at Louisiana Technical College (LTC) Teche Area Campus in New Iberia, Louisiana, Christen Tauzin's father suddenly passed away. "He was my biggest cheerleader, always inspiring me to be my best. He told me he was proud of me every day, and when he was gone, my desire to go on with my studies was gone too." Faced with the challenge of continuing her studies and dealing with her grief, Christen reached out to family, friends, and peers in the Cisco Networking Academy® to get her through her difficult time. Through their encouragement, Christen was able to move forward and has since enjoyed a high level of satisfaction through her career achievements.

When Christen was only three, she began to amaze her parents with her ability and desire to learn about computers. Although she was still in diapers, Christen would play games and "tinker" with her father's computer. Her interest grew over the years and eventually led her to the Networking Academy at LTC. "I decided to enroll in technical college because I knew I wanted to go into the IT field. I was inspired by my aunt who worked for NASA and now Hewlett Packard. It was encouraging to see a successful woman in an environment usually surrounded by men."

Since 2006, Christen has worked at Noah's Christian Preschool where in addition to accounting and office work, she is responsible for creating ways to incorporate fun ways for children to learn technology. When she arrived at the preschool they didn't have computers, but she has since created opportunities for the children to learn about the parts of the computers and play games. "The parents are amazed at what the kids know. Even the two-year-olds can turn on the computers and use them!"

Since attending the Networking Academy, Christen has helped recruit other females into the program. She was recently featured on a local television program called "Check into the LTC" where she encouraged girls to enroll in the Networking Academy and pursue a career in technology.

When Christen first began at the Networking Academy at LTC, she was one of the only females in class. "The guys got used to me and saw my dedication. It was nice to have them come to me with questions. I quickly earned everyone's respect." Since attending the Networking Academy, Christen has helped recruit other females into the program. She was recently featured on a local television program called "Check into the LTC" where she encouraged girls to enroll in the Networking Academy and pursue a career in technology.

Christen completed the CCNA course in 2005 and the Cisco Certified Network Professional (CCNP®) course in 2007. In addition to her studies, she participated in an internship at the local SkillsUSA chapter and competed in the internetworking competition for two years, winning the silver medal the first year and the gold medal the second year. She went on to compete at the national level, where she was one of only two females competing, and placed ninth.

Christen recently graduated from LTC with an associate of applied science degree in computer network specialist, making her the first in her family to graduate from college. She plans to earn her A+ and CCNA certifications before January 2008 and will attend Louisiana State University to pursue a bachelor's of science degree in information technology. Her future education goals include obtaining a master's degree in information technology, a doctorate in the science of technology, and obtaining a Cisco Certified Internet Expert (CCIE®) certification.



When Christen first began at the Networking Academy at LTC, she was one of the only females in class. “The guys got used to me and saw my dedication. It was nice to have them come to me with questions. I quickly earned everyone’s respect.”

“I would ultimately like to have a career developing the technology of the future which utilizes my skills and knowledge. I am thankful for the Cisco Networking Academy because it has influenced my education and career plans by giving me a jump start to where I want to be. I know my father is proud of me.”

For more information on the Cisco Networking Academy at Louisiana Technical College Teche Area Campus, visit:
<http://www.ltc.edu/greateracadianaregion/techearea/index.htm>



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