



Pennsylvania Student and Graduate Profile

Kasetta “Kasey” Coleman grew up in Philadelphia’s inner city where teen pregnancy, drugs, and minimum wage jobs were the norm. Kasey, however, wanted a different life. By the age of 19, she knew she wanted a college education and a career that would provide her with a good paying job and an opportunity to make a contribution to the community in which she was raised.

Growing up with her parents and three siblings, Kasey’s dream was to become a cardiologist so that she could heal and help people. Kasey attended Philadelphia High School for Girls, considered to be the best public high school in Philadelphia, where she knew she would be prepared for colleges and universities of higher education. She excelled at Girls’ High School, taking Advanced Placement courses in nearly every subject, playing the viola, studying dance, and volunteering for a number of community programs. All the while, her sights were set on medical school. In the spring of her senior year, however, Kasey’s options were broadened with the opening of Cisco® Networking Academy® at Girls’ High School.

In the fall of 2000, Kasey enrolled as a freshman at the Massachusetts Institute of Technology. “I wouldn’t have considered going to an engineering school were it not for the Networking Academy,” says Kasey.

One of the first 20 students to enroll in the Networking Academy at Girls High School, Kasey completed two courses of the Cisco Certified Network Associate (CCNA®) curriculum. Networking Academy classes required a commitment above and beyond standard course work with classes held from 7 to 8:15 a.m., before the start of the school day. But it was well worth the effort for Kasey.

“The Networking Academy gave me a new and different learning experience,” says Kasey. “First, it encouraged independent thinking. The focus is on learning rather than cramming and regurgitating information. Second, I was actually learning how the Internet works through a refreshing approach to teaching that combined videos, Internet access, and Cisco resources.”

Kasey’s involvement with the Networking Academy culminated with her participation on the Cisco team that configured and installed Internet access for the Republican National Convention (RCN) in the summer of 2000.

“My experiences with the Networking Academy and the RCN opened my eyes to how engineering and computer technology can impact people’s lives. I thought the world of networking was cool and that in the long run it would be helpful to my academic career,” recalls Kasey.

In the fall of 2000, Kasey enrolled as a freshman at the Massachusetts Institute of Technology (MIT). “I wouldn’t have considered going to an engineering school were it not for the Networking Academy,” says Kasey. She notes, “Men have dominated engineering and science for so long that stereotypes have evolved that exclude women. So, women lack support when it comes to a career in engineering and technology. Women need good role models in this field and the Networking Academy helped me understand that, as a woman, I could succeed in an engineering environment.”



While Kasey had considered majoring in computer science, during her sophomore year she declared a major in chemical engineering with a minor in biotechnology and a concentration in Japanese. Her interests lie at the intersection of computer science and nano- and biotechnology in areas such as bioinformatics, silicon biology, and drug delivery.

In addition to academic study, Kasey performed research at Langer Labs where she worked on bioengineering projects that involved the development of fluorescent markers for cancer detection and microchip drug delivery. Kasey was also the president of a dance company, treasurer of the Black Students' Union, and a member of the Society of Women Engineers, National Society of Black Engineers, Black Woman's Alliance, and the Red Cross Disaster Action Team.

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As part of MIT's Women's Initiative, Kasey visited high schools throughout the country meeting with high school students, especially girls, to encourage them to enter science and engineering fields. As Kasey continues to be a role model for other young women, she credits her own role model with her success and achievement. “My mother is my role model. Responsible, dedicated, committed, a great friend, and a great parent.”

After graduating from MIT, Kasey worked at Hitachi Research Lab in Japan. She recently returned to Philadelphia to attend Temple Law School with a tuition scholarship and other merit and need-based awards. Kasey is scheduled to graduate in May 2008.

During the summer of 2007 Kasey was an intern at the Philadelphia District Attorney's office. She also worked at Temple Legal Aid in the spring and Legal Advocacy for Patients in the fall. Kasey has many interests which include public interest law as well as a possible career in politics or as a judge. She has also completed research in intellectual property law and is interested in working at an intellectual property or patent law firm after graduating from Temple Law School.

For more information on the Networking Academy at Girls High School, visit:

<http://webgui.phila.k12.pa.us/schools/g/girlshigh>



Americas Headquarters
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
www.cisco.com
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 527-0883

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
168 Robinson Road
#28-01 Capital Tower
Singapore 068912
www.cisco.com
Tel: +65 6317 7777
Fax: +65 6317 7799

Europe Headquarters
Cisco Systems International BV
Haarlerbergpark
Haarlerbergweg 13-19
1101 CH Amsterdam
The Netherlands
www-europe.cisco.com
Tel: +31 0 800 020 0791
Fax: +31 0 20 357 1100

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