FAQ:

STEM: Networking and Security

What does STEM stand for?

STEM stands for Science, Technology, Engineering, and Math. It represents the fundamentals needed for almost all careers.

http://studyinthestates.dhs.gov/2011/09/what-does-stem-stand-for

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What is Networking and Security?

Networking and Security is a career related to the T in STEM, which involves creating and managing networks, computers, security, and servers. This is **not** simply using a computer. I'll just call the people, who are in this career, computer engineers, to make it simpler.

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What is the growth rate of STEM related jobs?

The average growth number for all STEM related job is about 23 percent. Technology is the highest at 31 percent. Mathematical science is at 10 percent, being the lowest. http://www.bls.gov/opub/ted/2007/jun/wk4/art04.htm

Which STEM companies would hire computer engineers?

Big semiconductors companies like Intel, AMD, Texas Instruments, Cypress, and NVidia want computer engineers. More relevant, HP, IBM, Apple, and Oracle, need computer engineers to make their computers and storage devices. Networking companies like Cisco Systems and Juniper Networks also want network professionals. http://answers.yahoo.com/question/index?qid=20100926172409AAP6gBj

Who usually hires computer engineers?

Almost any company which uses computers or servers to communicate and store data needs computer engineers. Troubleshooting, custom web design, administration, security, and storage management are a few tasks. Since there are so many companies, computer engineers are almost never out of a job.

What is academically required for Networking and Security?

Computer Networking and Security is a broad field, and there are many different curriculums for specific jobs. Overall, the academic requirements are, at least: to understand how computers work: their wiring, data storage, and boot-up; to understand how networks work: data packets, closed connections, the internet; how to repair and replace computer parts, and how to setup and defend networks.

What are the personal skills needed for Networking and Security?

To enjoy this career, pretty good math skills are needed to crunch numbers by head. Good dexterity is needed to replace parts while not damaging anything. Communication skills are needed to make connections with your clients that you deal with.

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What STEM fields are relevant to Networking and Security?

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