The United States will have more than 1.2 million job openings in science, technology, engineering, and math-related occupations by 2018. These include scientists, doctors, software developers, and engineers. (source: US Bureau of Labor Statistics, November, 2009)

Other areas of need will include advanced manufacturing, alternative energy, biotechnology, health care, and information technology. (source: NYS Department of Labor)

The highest paying (over $100,000) STEM careers include natural science managers, engineering managers, computer/information systems managers, and petroleum engineers. (source: KELLY)

In 2009, American teens ranked 23rd in science among international teens and 31st in math. This is part of the reason that there will be a significant shortage of qualified college graduates to fill these careers.

STEM Careers

Math and science skills are key to entering career paths in high-growth industries:

- Advanced Manufacturing
- Alternative Energy
- Biotechnology
- Health Care
- Information Technology