

Pathway: Engineering & Technology—Computer Engineering

Get the Facts:

Computer Engineering is the branch of engineering that integrates the fields of electrical engineering and computer science. Computer engineers use computer hardware and software to solve engineering problems. They are trained in computer architecture, embedded systems, software design, data structures, hardware interfacing, and hardware/ software integration.

The Computer Engineering major is designed to meet the needs of technically inclined students who prefer hands-on teaching and learning to the more theoretical, mathematics-oriented computer science and electrical/ electronic engineering.

Workforce Trends:

Job prospects for Computer Engineers will GROW by 9% in the next decade.

Graduates in Computer Engineering can work for any company or organization that requires software or hardware engineers. Given the current reliance on computer technology in the workplace, this means that many companies require computer engineers.

Computer Engineering is:

- Medium to High demand
- High skill
- High wage

Occupation Outlook:



The Utah statewide annual median wage:

Computer Engineer with a bachelor (BS) degree is \$71,120

Sample Career Occupations:

- Software Engineer
- Hardware Engineer
- Quality Engineer
- Computer System Design
- Software Publishing

College and Career:

There are a number of options for education and training beyond high school, depending on your career goals.

- BYU – BS Computer Engineering
- BYU – BS Computer Engineering; AAS Electrical & Computer Engineering
- USU – BS Computer Engineering
- WSU – BS Computer Engineering
- U of U – BS Computer Engineering
- UVU – BS Computer Engineering
- SUU – BS Engineering
- SLCC – APE Computer Engineering
- SNOW – APE Electrical & Computer Engineering