

COMPUTER ENGINEERS

NOC 21311: COMPUTER ENGINEERS (EXCEPT SOFTWARE ENGINEERS AND DESIGNERS)

Design, develop, and integrate computer, telecommunications and network systems hardware and related equipment.



3-YEAR OUTLOOK



Moderate

3-YEAR JOB OPENINGS

34

MEDIAN HOURLY WAGE

$51.44

$40.02 LOW

$71.79 HIGH

TYPICALLY REQUIRED



University

EMPLOYED

256

AVERAGE SALARY

$92,000



EMPLOYMENT BY INDUSTRY

32.0%	Information and cultural industries
28.0%	Professional, scientific and technical services
8.0%	Manufacturing
32.0%	All Other Industries

EMPLOYMENT BY AGE

Suppressed	15-24
Suppressed	25-34
Suppressed	35-44
Suppressed	45-54
Suppressed	55-64
Suppressed	65+

ALSO KNOWN AS

- Computer Hardware Engineer
- Fibre-Optic Network Designer
- Hardware Circuit Board Designer
- Hardware Development Engineer
- Hardware Technical Architect
- Network Test Engineer

MAIN DUTIES:

This group performs some or all of the following duties:

- Analyze user requirements, and design and develop system architecture and specifications
- Research, design, develop and integrate computer and telecommunications hardware such as microprocessors, integrated circuit boards and semiconductor lasers
- Develop and conduct design verification simulations and prototype bench tests of components
- Supervise, inspect and provide design support during the manufacturing, installation and implementation of computer and telecommunications hardware.

