COMPUTER HARDWARE ENGINEERS

Computer hardware engineers research, design, develop, and test computer systems and components such as processors, circuit boards, memory devices, networks, and routers. These engineers discover new directions in computer hardware, which generate rapid advances in computer technology.

THESE ARE THE THINGS I DO ON A DAILY BASIS:

- Design new computer hardware, creating schematics of computer equipment to be built
- Test the completed models of the computer hardware they design
- Analyze the test results and modify the design as needed
- Update existing computer equipment so that it will work with new software
- Oversee the manufacturing process for computer hardware
- Maintain knowledge of computer engineering trends and new technology
- Build, test, and modify product prototypes using working models or theoretical models constructed with computer simulation

Why this job is a good fit?

- Working Conditions
- Support
- Achievement

Tools I use

- Computer systems design and related services
- Computer and peripheral equipment manufacturing
- Semiconductor and electronic component manufacturing

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DESIRE.

Why I enjoy my job as a Computer Hardware Engineer:

▶ Job security and good working conditions
▶ Allows employees to use their strongest abilities, giving them a feeling of accomplishment
▶ Creativity, Responsibility and Autonomy

IMPORTANT SKILLS AND ABILITIES FOR THE JOB:

▶ Analytical skills
▶ Creativity
▶ Critical-thinking skills
▶ Problem-solving skills
▶ Speaking skills

INSPIRE.

CERTIFICATE
A+ Technician

Computer Support Technician

Computer Technician

Computer Operator

2 YEAR DEGREE
Applications Specialist

Productivity Software Specialist

4 YEAR DEGREE
Desktop Support Analyst

Computer User Support Specialist

Information Systems Manager

MASTER'S DEGREE
Computer Hardware Engineer

Information Systems Analyst

GO HIGHER.

CREDENTIALS OFFERED:
Check for credential specifics at your KCTCS Home College!!

CERTIFICATE
CISCO NETWORK ASSOCIATE / MICROSOFT NETWORK ADMINISTRATOR / SECURITY+
NET+ / A+/ PROGRAMMING / COMPUTER TECH BASIC / COMPUTER TECHNICIAN
SUPPORT TECHNICIAN / MOBILE APPS DEVELOPMENT / WEB PROGRAMMING

DEGREES
IT NETWORK ADMINISTRATION / PROGRAMMING / APPLICATIONS

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