



STEM Careers

Electrical Engineer

Job Description: Work (design, maintain, research, etc.) the manufacturing and installation of electrical equipment such as electric motors, radar and navigation systems, communication systems, or power generation equipment. They also design electrical systems of automobiles and aircrafts

What does an Electrical Engineer do?

- Design new ways to use electrical power to develop or improve products
- Operate computer-assisted engineering or design software to perform engineering tasks
- Designing electrical instruments, equipment, facilities, components, products, or systems.
- Implementing and maintaining equipment, facilities, etc.
- Work on commercial, industrial, or personal systems
- Design electrical systems to minimize electric energy requirements
- Compile data and write reports on existing or potential electrical engineering studies or projects

Your Interests:

- Do you like working with computers and other electronics?
- Do you like designing?
- Do you like problem solving?
- Do you like working with others?

Outlook: Green

Average Salary - \$46.46 hourly, \$96,640 annual
Projected Job Openings - 13,900 over the next 10 years.

Education/Program of Study:

- Bachelor's degree in Electrical Engineering, Electrical Engineering Technology

Sources:

<https://www.onetonline.org/link/summary/17-2071.00>

<https://www.bls.gov/ooh/architecture-and-engineering/electrical-and-electronics-engineers.htm>