



STEM Careers

Energy Engineer

Job Description: To investigate current and new ways to provide energy for the people that is affordable and reliable.

What does an Energy Engineer do?

- **Chemical Engineers** in the solar power industry plan and test methods of making solar cells as well as focusing in on semiconductors or organic chemistry.
- **Materials Engineers** work with semiconductors, metals, and plastics to create new materials for use in solar cells.
- **Electrical Engineers** design the circuitry within the solar panels and other electrical devices necessary to run a solar panel.
- **Industrial Engineers** work to help companies increase their productivity and efficiency in making solar panels.
- **Mechanical Engineers** provide maintenance and designs for the machines that are used in the solar power industry.

Your Interests:

- Do you work well on team?
- Are you good at communicating your ideas with others?
- Are you good at math?
- Do you like doing science experiments?

Outlook:

Average Salary – \$37.03-\$43.42 hourly,
\$78,910-\$92,800 yearly
Projected Job Openings – varies
depending on the career

Education/Program of Study:

- Bachelor's Degree in Engineering
- Master's or Doctorate Degree in a significant number of jobs

Sources:

http://www.bls.gov/green/solar_power/solar_power.pdf