



STEM Careers

Physicist

Job Description: Conduct research into the phases of physical phenomena, develop theories and laws on the basis of observation and experiments, and devise methods to apply laws and theories to industry and other fields.

What does a Physicist do?

- Describe observations using math.
- Develop clean, unlimited fusion energy.
- Design a laser to fix people's vision problems.
- Design computer simulations to model physical data so that it can be better understood.
- Develop theories and laws on the basis of observations and experiments, and apply these theories and laws to problems in areas such as nuclear energy, optics, and aerospace technology.
- Monitor radioactive equipment, and record plant area radiation exposure data.
- Observe the structure of properties of matter, and the transformation of energy, using lasers, and telescopes in order to explore and identify the basic principles governing these phenomena.

Your Interests:

- Are you good at math?
- Do you like to solve problems?
- Do you like to work with computers?
- Do you like to know how things work?

Outlook:

Average Salary - \$51.15 hourly, \$106,360 annual

Projected Job Openings - 6,900 over the next 10 years

Education/Program of Study:

- PhD in physics for research and faculty positions.
- Master's Degree for work in manufacturing and applied research and development.
- Bachelor's Degree for technicians or research assistants.

Sources:

O*NET Online

http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/Phys_physicist_c001.shtml?From=testb#otherqualifications