



# STEM Careers

## Robotics Engineer

**Job Description:** Research, design, develop and test robotic applications.

### What does a Robotics Engineer do?

- Invent the next generation of robotic toys.
- Build animatronic equipment and special effects for amusement parks and the entertainment industry.
- Increase manufacturing capacity by creating specialized robots for specific automatable tasks.
- Design robots to explore where humans cannot, like the depths of the ocean or faraway planets.
- Design software to control robotic systems for applications such as military defense and manufacturing.
- Debug robotics programs.
- Conduct research on robotic technology to create new robotic systems or improve old ones.

### Your Interests:

- Do you like computers?
- Do you like to take things apart and put them back together?
- Do you like to figure out how things work?
- Do you like math?

### Outlook: BRIGHT

Average Salary - \$43.06 hourly, \$89,560 annually  
Projected Job Openings - 50,200 in the next 10 years

### Education/Program of Study:

- Bachelor's degree in engineering or related field
- Master's degree or Ph.D. for some positions and to advance in the field

Sources:

ONet

[http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/ApMech\\_roboticsengineer\\_c001.shtml?From=testb](http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/ApMech_roboticsengineer_c001.shtml?From=testb)