

## Introduction to Engineering: What Do Engineers Do?



Engineering is a job where people design and build things to make our lives better. Engineers use their knowledge of math and science to solve problems and create things like buildings, bridges, cars, and even video games!

There are different types of engineers. **Civil engineers** build things like roads and bridges. **Mechanical engineers** design machines like cars and airplanes. **Electrical engineers** work with things that use electricity, like lights and computers. All engineers help make our world work better.

To do their job, engineers follow a simple process. First, they look at a problem. Then, they think of different ways to fix it. After that, they make a plan and start building. Once they have their design, they test it to see if it works. If it doesn't, they make changes until it's just right. Engineers help make the world a safer, faster, and more fun place!

### Reference:

- National Engineers Week. (n.d.). *What is Engineering?* Retrieved from <https://www.discovere.org>
- U.S. Department of Energy. (n.d.). *What is Engineering?* Retrieved from <https://www.energy.gov>