

# Robotics engineer

Robotics engineers design and build machines to do automated jobs in industries like manufacturing, aerospace and medicine.

Average salary (a year)

Typical hours (a week)

You could work



£27,500

£55,500

Starter

Experienced



37 to 40

a week



9am to 5pm

## Different routes to get this job

(check the website for entry requirements)

- a university course
- a college course
- an apprenticeship
- working towards this role

## Skills and knowledge

You'll need:

- knowledge of engineering science and technology
- knowledge of computer operating systems, hardware and software
- maths knowledge
- design skills and knowledge
- excellent verbal communication skills
- the ability to use, repair and maintain machines and tools
- thinking and reasoning skills
- complex problem-solving skills
- to be able to use a computer and the main software packages confidently

## Day-to-day tasks

As a robotics engineer you could:

- research what customers want to automate
- make design using computer aided design (CAD) software
- build and test prototypes and fix faults
- analyse data from robot sensors and cameras
- report on risks, issues and project progress
- research news ways to use robots and artificial intelligence

Regularly check Teams channel "[Careers advice for students](#)"