

Careers in STEM: Engineering

Automotive engineer

Automotive engineers are involved in the design, testing, manufacturing and aftercare of cars, motorbikes, buses and other commercial vehicles. Automotive engineers may specialise in various stages of the motor manufacturing process, from the initial research, to vehicle designs through to final production.

Automotive engineers working within research and development will look into innovative automotive ideas, ways to solve issues and problems, and how these ideas can be put into practice.

Automotive engineers working within design will work to turn ideas into plans with the aid of specialist computer software. They focus on creative design and technical knowledge to design new automotive vehicles and vehicle parts.

Automotive Engineers working in production will put the ideas and designs into practice by building and testing prototypes, planning production lines and overseeing quality control.

Useful skills for automotive engineers are:

- Technical and problem solving skills
- The ability to analyse and interpret data
- Budgeting and working to deadlines
- Ability to work as part of a team and good communication skills

Automotive engineers will have a good background in mathematics, IT and design and technology. It is also important to gain relevant work experience alongside study, which is often an option in many degree level courses and higher and degree Apprenticeships.

Visit the following websites for more information about futures in automotive engineering:

<https://www.prospects.ac.uk/job-profiles/automotive-engineer>

<https://nationalcareersservice.direct.gov.uk/job-profiles/automotive-engineer>

<https://targetjobs.co.uk/careers-advice/job-descriptions/275855-automotive-engineer-job-description>

