



Careers in STEM: Engineering

Communications engineer

Communications engineers, work to research, design and develop communications equipment and systems, such as satellites, radio, internet technologies and wireless telephone services. Within their role, communications engineers will carry out surveys and meet clients to understand their needs, find solutions for network issues and produce, test and implement new communication designs.

Communications engineers typically work for telecommunication companies who manufacture and install communication devices and systems or in the communication departments of public sector companies. It is also possible to work in consultancy and be self-employed.

Useful skills for communication engineers are:

- excellent communication and interpersonal skills
- the ability to analyse and solve problems
- technical knowledge of networks

Communication engineers will typically have good GCSEs in English and Maths, and a good honours degree in engineering or a physical science, such as electronic engineering or physics. It may be beneficial to undertake a postgraduate engineering qualification with accreditation in order to progress, however this is not essential for entry level positions. Work experience in a relevant area is valuable, and this is often an option in many degree level programmes.

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

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

<https://www.allaboutcareers.com/careers/job-profile/communications-engineer>

<https://targetjobs.co.uk/careers-advice/job-descriptions/279055-communications-engineer-job-description>