



# Building information technician

A BIM (Building Information Modelling) technician produces an accurate representation of the structure and functionality of a building project using specialist technology. They may also be known as a structural technician.

## What does the job involve?

- use 2D or 3D software to produce sketches, schemes, models and detailed drawings
- check that drawings meet quality and technical standards
- find and fix inaccuracies or mistakes
- communicate with engineers, designers and project staff
- read and interpret engineers' drawings
- do mathematical calculations to work out angles, weights and costs
- keep accurate records of different versions of your design work

## Routes and choices while at school:

You will need to try to get at least five GCSEs at grades 4 or C or better, or equivalent qualifications. These should include English, maths and computing. Other relevant subjects include design and computing.



## Skills You'll need:

- design skills and knowledge
- maths skills
- to be thorough and pay attention to detail
- excellent verbal communication skills
- knowledge of engineering science and technology
- thinking and reasoning skills
- the ability to work well with others
- the ability to use your initiative
- to be able to use a computer and the main software packages confidently
- to be able to work to a deadline



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## How to get into this role:

You can get into this job through:

- a university course
- a college course
- an apprenticeship

## College

You could train in computer-aided design by taking a college course like:

- Level 2 Diploma in Engineering Technology
- Level 2 or 3 Award in 2D Computer-Aided Design
- Level 3 Diploma in Engineering Design and Draughting
- T Level in Design, Surveying and Planning for Construction
- T level in Design and Development for Engineering and Manufacturing

## Entry requirements

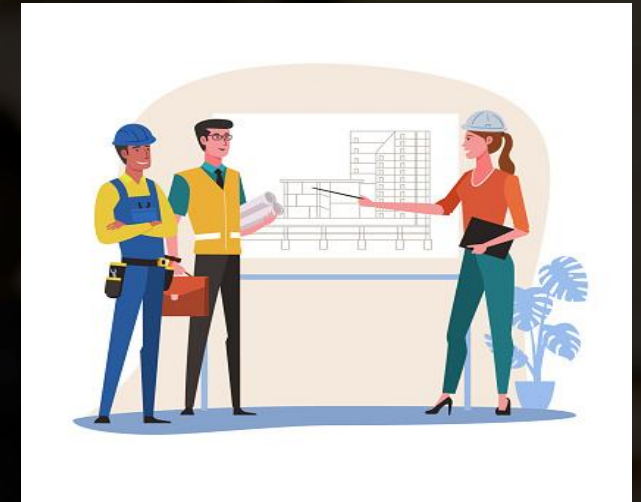
- 4 or 5 GCSEs at grades 9 to 4 (A\* to C), or equivalent, including English, maths and computing
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## Further information

### Career tips

It's useful to find out the common design software packages used by companies you want to work for. Some software companies offer student packages or free trials that allow you to practise using them.

In construction design, it's useful to have an understanding of Building Information Modelling (BIM).



## Career path and progression

With experience, you could register with the Engineering Council to get Engineering Technician (EngTech) status.

You could become a CAD team, project or site manager. With further training, you could become a design or software engineer. You could also work freelance.

## Rates of Pay

Starting salaries for newly trained BIM technicians are around £25,000 to £35,000 a year. With experience you can earn up to £45,000 a year or more. BIM managers can earn up to £60,000 a year or more.