



JOB of the Week



Job name: CAD Technician [Structural technician, BIM technician]

Job description: [Structural technician, BIM technician, digital design technician, engineering design technician] Computer-aided design (CAD) technicians use software to design structures, machinery, goods and components.

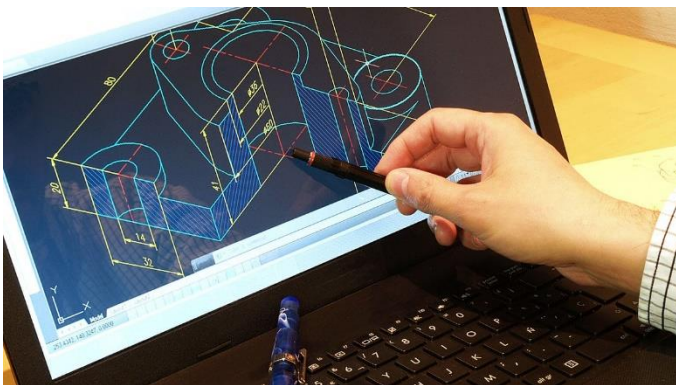
Tasks you will undertake in the job: As a CAD technician you'll:

- 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

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.



Skills required for this job (core competencies):

Communication	Resilience	Organisation	Teamwork
Problem Solving	Initiative	Creativity	Digital literacy

Career Tips for CAD Technicians:

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).

Salary: CAD Technicians are typically paid a starting wage of £17 000, this increases with experience; experienced Driving instructors can expect to earn approximately £35 000 p.a.



Working hours: Working hours are usually around 39-41 hours per week usually between 8 am and 6 pm

Qualifications to become a CAD Technician:

You can get into this job through: a university course / a college course / an apprenticeship

University: You could start by doing a higher national diploma or degree that includes computer-aided design work, such as: construction; architectural technology; product design and design engineering
Courses that include a year in industry or a summer internship will give you an opportunity to develop contacts and gain relevant work experience. Entry requirements: 2 to 3 A levels, or equivalent, for a degree

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 or 4 or 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English and maths for a T level

Apprenticeship: You could complete an intermediate or advanced apprenticeship in engineering, manufacturing or construction. The exact apprenticeship you take will depend on your job role but there are several that include computer-aided design work. Entry requirements: GCSEs, usually including English and maths, or equivalent, for an intermediate apprenticeship; 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English and maths, for an advanced apprenticeship

Essential skills you need to show: To succeed as a CAD Technician, the following personal skills and attributes would give you an advantage:

- knowledge of teaching and the ability to design courses
- customer service skills
- the ability to work on your own; leadership skills and to be thorough and pay attention to detail
- the ability to come up with new ways of doing things; patience and the ability to remain calm in stressful situations using excellent verbal communication skills
- to be able to carry out basic tasks on a computer or hand-held device)

This job in the future: The workforce is projected to grow by 4.2% over the period to 2027, creating 3,400 jobs. In the same period, 39.6% of the workforce is projected to retire, creating 32,300 job openings.

www.icould.com
www.successatschool.org
www.nationalcareers.service.gov.uk
www.prospects.ac.uk/jobs-and-work-experience/job-sectors
www.ucas.com/careers-advice
www.kudos/casaid.co.uk/#/ (you all have a log on for this service)
www.careersbox.co.uk (careers videos)

Helpful sites for careers information
GAT careers links

<http://airhead.io/public/launchpads/XqbuOMJgb0OfqvMPCykcZA>

