



CPD REQUIREMENTS FOR ENGINEERS

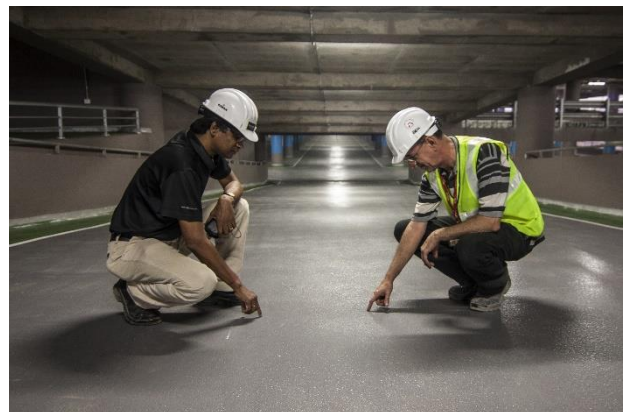
The CPD Standards Office is a unique organisation and was founded with the vision of understanding and enabling positive and successful CPD and learning experiences. As a highly specialised expert team, our university led research has equipped us with extensive expertise on all things CPD.

Between the work of the Professional Development Consortium and the CPD Standards Office dual CPD research and accreditation activities sharpen our knowledge and expertise. This enables us to work with individual coaches, training providers, employers, and 'membership organisation's as a collaborative CPD network & community.

CPD Requirements for Engineers

As the UK regulatory body for the engineering profession, the Engineering Council sets and maintains internationally recognised standards of professional competence and ethics.

These are detailed in the UK Standard for Professional Engineering Competence (UK-SPEC) which describes the value of becoming registered as an Engineering Technician (EngTech), Incorporated Engineer (IEng) or Chartered Engineer (CEng). It describes the criteria to be met in order to gain these qualifications and gives examples of how to achieve this.



What are the requirements?

All institutions have their own set of CPD requirements, generally termed as CPD schemes. For example:

Institution of Civil Engineers (ICE) - as a guide at least 30 hours of CPD per year up to the Professional Review stage and then enough to develop and maintain the professional knowledge, skills and competence that you need for your role.

Clicking on the link below will take you to the Engineering Council's website. The landing page lists 35 institutions and offers a direct link to their websites. By opening the link, you can learn more about the varying CPD schemes in operation:

<https://www.engc.org.uk/about-us/our-partners/professional-engineering-institutions/>

What can Engineers do to complete their CPD requirements?

In-house Courses and External Courses	
Work-based learning e.g. codes observed, conflicts resolved	
Distance learning programmes	
Self-directed private study	
Preparation and delivery of lectures and presentations	
Preparation of refereed papers	
Attendance at lectures, seminars or conferences	
Coaching, tutoring, monitoring or teaching	
Secondment and special projects	
Relevant voluntary work	

Events for Engineers

There are various events that engineers can attend throughout the UK. Here is a list of some of the most popular:

The Engineer Expo - UK

The Engineer Expo is dedicated to providing UK engineering professionals with the latest in-house manufacturing and design solutions, alongside cutting-edge developments in advanced engineering technologies. <http://www.theengineer-expo.co.uk/>

Global Engineering Congress - UK

The world urgently needs to take action on climate change and engineers have a vital role to play in delivering clean water, sustainable energy and a connected world. The Global Engineering Congress brings together a worldwide community of engineers to look at how to create real change and plan how the UN's Sustainable Development Goals can be met. <https://www.ice.org.uk/events/global-engineering-congress>

Advanced Engineering 2018 - UK

Advanced Engineering is your opportunity to meet and network with fellow OEMs and supply chain professionals eager to see the latest technologies and solutions across co-located show zones including Aero Engineering; Automotive Engineering; Composites Engineering; Connected Manufacturing; Performance Metals Engineering; and new for 2018 UK Contract Manufacturing. <https://www.easyfairs.com/advanced-engineering-2018/advanced-engineering-2018/>

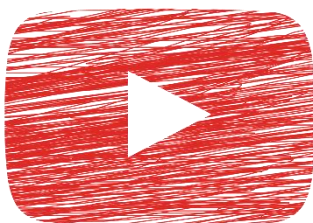
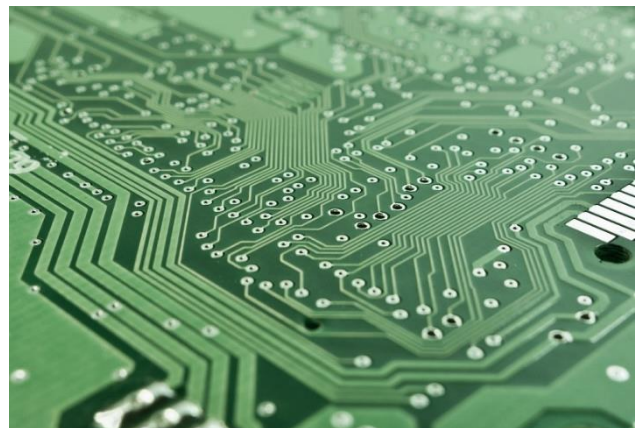
Magazines for Engineers

Magazines can be a great resource for Engineers as they provide information on the latest technologies, science and industry trends etc. See our list of top picks:

- Engineering Magazine - Engineering magazine reports on the latest industry thinking, techniques and trends. Featuring the work of engineering teams worldwide, it is not only essential reading for those in the industry but also helps companies to maintain a competitive advantage. <http://engineeringmagazine.co.uk/>
- The Engineer - Technology, business and innovation news, analysis and insight. <https://www.theengineer.co.uk/>
- Eureka! Design Magazine - By reporting on the latest technology, innovations and engineering applications, it seeks to inspire engineers to make their designs more efficient, cost-effective and commercially successful. <http://www.eurekamagazine.co.uk/design-engineering-magazine/>
- E&T Magazine - It covers all types of engineering technology and some science featuring analysis, news, innovation announcements and job advertisements. The coverage is wide and aimed at professionals in all areas of engineering and technology including the key industry sectors of communications, control and automation, electronics, management, IT, manufacturing and power. <https://www.theiet.org/resources/magazines/>

Why do CPD?

- Engineers may be fully qualified but are part of a fast-moving industry and it is essential to keep up-to-date of new developments, technical advances and regulations to further careers.
- CPD provides the evidence that each individual is committed and proactive in their career. It confirms that they have the relevant skills and knowledge to perform their role.
- CPD activities and assessments provide a wealth of supporting evidence for potential job applications.



- It's easy to do. Engineers can find plenty of accredited courses online through their professional institute. It can also be completed on the job, for example - training an engineering apprentice or visiting industry events.

Engineering Council's new animation on CPD, see here -

<https://www.youtube.com/watch?v=HnhmWOPZieg#action=share>

We hope you have found this factsheet helpful.

Please see www.cpdstandards.com for more information on our accreditation services or call 0203 745 6463 for further advice.