

CEng Application Guideline Summary

To be eligible to apply for CEng you will:

1. Have a good breadth and depth of engineering knowledge.
2. Have sufficient work experience to enable you to demonstrate the CEng competencies and provide examples of sustained experience at a responsible level.
3. Nominate supporters who can vouch for you. For all grades of professional registration, the institute requires a minimum of 2 supporters and a maximum of 3. These supporters verify the content of your application and should be someone who knows your work.

Application guide:

	I hold an Engineering council accredited MEng Degree	I DON'T hold an Engineering Council accredited MEng
Main application form	Yes	Yes
Your current CV	Yes	Yes
Engineering Knowledge		
Your degree certificates	Yes	Yes
CEng technical report	No	Yes
Professional Review Report		
An organisational chart showing your current position	Yes	Yes
A written professional review report:		
- Competences	Yes	Yes
- CPD	Yes	Yes
The application fee	Yes	Yes
Interview process		
Technical report interview	No	Yes (Only if you chose to undertake the TRO route)
Professional review interview	Yes	Yes

If you have a qualification from outside the UK or Ireland please contact us at cpd@iop.org prior to applying and we will help you identify the right route.

Application routes:

Option 1: Standard route: an exemplifying qualification

Option 2: Individual route

Applicants who do not hold exemplifying qualifications for Chartered Engineer must demonstrate that they have gained the equivalent required knowledge and understanding as those with such qualifications.

This can be achieved in one of two ways:

1. **Technical Report route-** This involves the completion of a technical report accompanied by a technical interview, followed by a Professional Review Interview. The technical interview will assess your technical equivalence and the Professional Review Interview will assess your experience against the competences

2. **Experiential Learning route** - This involves submitting extended competences highlighting your technical equivalence. This will be reviewed by a panel followed by an extended Professional Review Interview. The interview will assess both your technical and professional capabilities against the competences

Most applicants through the Institute do not have engineering degrees, and as a result we are very used to guiding people with physics based qualifications towards Chartered Engineer (CEng). This is what the Technical Report option route and the Experiential Learning route to CEng has been designed for.

Please note that whichever route you follow you will be asked to attend an interview to discuss your knowledge in greater depth

For more information on the application process for any of the routes please contact the Membership team at cpd@iop.org or call us on 0207 470 4800 and ask to speak with one of the Registration Officers.

The Competences

Competence A - Use a combination of general and specialist engineering knowledge to optimise the application of existing and emerging technology

A1: Maintain and extend a sound theoretical approach in enabling the introduction and exploitation of new and advancing technology

A2: Engage in the creative and innovative development of engineering technology and continuous improvement systems:

Competence B - Apply theoretical and practical methods to the analysis and solution of engineering problems.

B1: Identify potential projects and opportunities

B2: Conduct appropriate research, and undertake design and development of engineering solutions:

B3: Manage implementation of design solutions and evaluate their effectiveness

Competence C - Provide technical and commercial leadership

C1: Plan for effective project implementation:

C2: Plan, budget, organise, direct and control tasks, people and resources:

C3: Lead teams and develop staff to meet changing technical and managerial needs:

C4: Bring about continuous improvement through quality management:

Competence D - Demonstrate effective interpersonal skills

D1: Communicate in English with others at all levels

D2: Present and discuss proposals

D3: Demonstrate personal and social skills

Competence E - Demonstrate personal commitment to professional standards, recognising obligations to society, the profession and the environment.

E1: Comply with the relevant codes of conduct

E2: Manage and apply safe systems of work

E3: Undertake engineering activities in a way that contributes to sustainable development

E4: Carry out and record CPD necessary to maintain and enhance competence in own area of practice including

E5: Exercise responsibilities in an ethical manner

The Engineering Council provides examples of the type of experience that might help candidates acquire these competences on their website. Applicants should read the current UK-SPEC Edition 3 at engc.org.uk before completing their application.

Choosing your supporters

First supporter - This must be someone who knows, or has known you professionally, working at a senior level to you and with direct knowledge of your role and responsibilities. This could be fulfilled by your current line manager, employer, head of department or faculty, head teacher or training scheme mentor.

Second supporter – This must be someone who knows or has known you professionally at a relevant point in your career.

Optional third supporter - A third supporter may be necessary if your application covers periods spent at several different organisations or if you undertake consultancy work.

Please ensure that between them, your supporters are willing and able to verify your experience.

They should be contactable by email for several months after you submit your application. Supporters will be sent links to the form they need to complete online via a generic IOP email address. Please ask your supporters to provide an email address that doesn't have a high firewall as this can cause delays in your application.

In the event of inconclusive comment from your supporters, we may contact them for further information or ask you to nominate an additional supporter.

The interview process

The interview process is different depending on which route you are taking. All applicants will have a Professional Review Interview but those applying through the individual route will also undergo a Technical Review Interview. For those who have opted undertake the Experiential Learning route, the Technical Review Interview and the Professional Review Interview is held at the same time.

- **Standard Route: Professional Review interview- 45-60 minute interview: The aim of the interview will be to confirm the information supplied within your application and to verify that you meet the required standards**
- **Individual Route: Technical Review Interview- 2 interviews: a Technical Review interview which will last approx. 45 minutes where your technical knowledge will be assessed. If you are successful at this stage you will progress on to the Professional Review Interview which will be held on the same day and will last approx. 45-60 minutes**
- **Individual Route: Experiential Learning route interview- 90 minute interview: The interviewers will be looking to see how you can demonstrate technical equivalence to those who hold exemplifying qualifications**

All interviews are arranged regularly throughout the year and are usually held in London. Interviews are conducted by two members of the Institute who are professionally registered with the Engineering Council. On occasion there may be an observer or member of IOP staff present.

How is my application assessed?

Each application is peer reviewed by a panel who are also Chartered Engineers; the panel members include both of your interviewers. The panel assesses the information in your application, prior to your interviewers, and the comments of your supporters. These are then compared with the requirements

for Chartered Engineer. Once assessed, the panel will ratify the decision of the interviewers to accept, reject or defer your application.

How long will my application take to process?

You will normally receive a decision on your application within six – eight weeks of your application being sent to panel. You can log back onto the online application form to check the progress of your application.

For more information on the application process for any of the routes please contact the Membership team at cpd@iop.org or call us on 0207 470 4800 and ask to speak with one of the Registration Officers.