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The stages of Engineering Council registration

You may already know that there are two stages to registration: Interim; relating to academic qualification/underpinning knowledge; and Final; which relates to the ability to perform specific competences, and the commitment to maintain them. Appropriate applicants are encouraged to apply for Final stage registration.

Am I eligible to apply?

Engineering Council registration is open to IRSE members.

Before you decide to apply, you should first consider the below definitions of each of the three grades of registration and the exemplifying qualifications.

Those who feel their experience is relevant to CEng or IEng, but do not have the exemplifying qualifications, can submit their career history and education and training record for assessment. Where appropriate they would be advised on the nature and extent of any remaining evidence of knowledge and understanding required. This could be demonstrated via a number of routes including the submission of a Technical Paper.

Registration grade definitions and exemplifying qualifications

Engineering Technician (EngTech)

Engineering Technicians apply proven techniques and procedures to the solution of practical engineering problems. They are required to apply safe systems of work and are able to demonstrate:

- Evidence of their contribution to either the design, development, manufacture, commissioning, decommissioning, operation or maintenance of products, equipment, processes or services
- Supervisory or technical responsibility
- Effective interpersonal skills in communicating technical matters
- Commitment to professional engineering values.

Exemplifying qualifications for EngTech:

- An Advanced/Modern Apprenticeship or other work-based learning programme approved by a licensed professional engineering institution
- or a qualification, approved by a licensed professional engineering institution, in engineering or construction set at level 3 (or above) in the Qualifications and Credit Framework/National Qualifications Framework† for England and Northern Ireland; or at
level 6 (or above) in the Scottish Credit and Qualifications Framework; or at level 3 (or above) in the Credit and Qualifications Framework for Wales
• or equivalent qualifications approved by a licensed professional engineering*
  * for example some of the IRSE “EngTech ready” licences, see http://www.irse.org/licensing/default.aspx

Many potential Engineering Technicians have not had the advantage of formal training but are able to demonstrate that they have acquired the necessary competence through substantial working experience. Thus, individuals without the types of qualifications described above may apply for an Individual Route assessment. This process, administered by the applicant’s institution, includes assessment of prior learning and of current performance. Evidence of employer recognition of competences and relevant skills may be helpful.

**Incorporated Engineer (IEng)**

Incorporated Engineers maintain and manage applications of current and developing technology, and may undertake engineering design, development, manufacture, construction and operation. They are able to demonstrate:

• The theoretical knowledge to solve problems in developed technologies using well proven analytical techniques
• Successful application of their knowledge to deliver engineering projects or services using established technologies and methods
• Responsibility for project and financial planning and management together with some responsibility for leading and developing other professional staff
• Effective interpersonal skills in communicating technical matters
• Commitment to professional engineering values.

**Exemplifying qualifications for IEng:**

• An accredited Bachelors or honours degree in engineering or technology
• or a Higher National Diploma or a Foundation Degree in engineering or technology, plus appropriate further learning to degree level*
• or an NVQ4 or SVQ4 which has been approved for the purpose by a licensed professional engineering institution, plus appropriate further learning to degree level*.  
  *Appropriate learning includes passing the full IRSE professional examination and see www.qaa.ac.uk for further details of qualification levels and Higher Education reference points

Applicants who do not have exemplifying qualifications may demonstrate the required knowledge and understanding in other ways but must clearly demonstrate they have achieved the same level of knowledge and understanding as those with exemplifying qualifications.

Such applicants may be able to write a technical paper, or provide details of aspects of their experience, which demonstrates their knowledge and understanding of engineering principles.

**Chartered Engineer (CEng)**

Chartered Engineers develop solutions to engineering problems using new or existing technologies, through innovation, creativity and change and/or they may have technical accountability for complex systems with significant levels of risk. Chartered Engineers are able to demonstrate:

• The theoretical knowledge to solve problems in new technologies and develop new analytical techniques
• Successful application of the knowledge to deliver innovative products and services and/or take technical responsibility for complex engineering systems
• Accountability for project, finance and personnel management and managing trade-offs between technical and socio-economic factors
• Skill sets necessary to develop other technical staff
• Effective interpersonal skills in communicating technical matters

Exemplifying qualifications for CEng:
• An accredited Bachelors degree with honours in engineering or technology, plus either an appropriate Masters degree or Engineering Doctorate (EngD) accredited by a professional engineering institution, or appropriate further learning to Masters level*;
• or an accredited integrated MEng degree.
• *Appropriate learning includes passing the full IRSE professional examination and see www.qaa.ac.uk for further details of qualification levels and Higher Education reference points

Applicants who do not have exemplifying qualifications may demonstrate the required knowledge and understanding in other ways, but must clearly demonstrate they have achieved the same level of knowledge and understanding as those with exemplifying qualifications.

Such applicants may be able to write a technical papers, or provide details of aspects of their experience, which demonstrate their knowledge and understanding of engineering principles.

What are the Engineering Council registration competences?
The Final stage competences which form the standard for each of the three registration grades are defined in the Engineering Council document UK-SPEC v3, accessed via this link UK-SPEC competences

What is the process?
First of all, we ask you to complete and return the ‘Initial application for Engineering Council registration form’ (currently accessed via a link on the Engineering Council page of IRSE’s website). This will enable us to determine whether you already meet the Interim stage (ie underpinning knowledge) requirements for registration. If you do, we will then send you a Summary of Evidence Report form to complete. This form lists all the competences required for Final stage registration.

If you do not hold the exemplifying qualifications for Interim stage registration, we will assess your career history and education and training record and then advise you of the alternative routes.

Part of the process of CEng and IEng Final registration involves a Professional Review Interview (PRI). Once you have submitted your completed Summary of Evidence Report form, it will be assessed and if it appears to contain all the appropriate information, a PRI will be arranged. During the interview (to which you can take supporting evidence) you will be able to discuss your Summary of Evidence Report and any relevant aspects of your work. After the interview, a report is submitted to IRSE’s Membership Committee after which you will be notified of the outcome. We then notify the Engineering Council of those applicants who were successful and they will then provide a certificate confirming registration. Those applying for EngTech registration do not normally undertake a PRI.

As a Final stage registrant, you would be able to use the appropriate designatory letters after your name (EngTech, IEng or CEng).
How long will it take?

In straightforward cases, the process could be completed in around twelve weeks, but this usually depends on how quickly you are able to complete and return your Summary of Evidence Report form. Once we notify the Engineering Council we would expect them to confirm your registration within a reasonable timeframe.

How much will it cost?

To see details of the Engineering Council’s annual fees, please follow this link: https://www.engc.org.uk/professional-registration/registration-fees/.

First step to registration!

Once you have read through this information just complete the ‘Initial application for Engineering Council registration’ and email to caterina.indolenti@irse.org with relevant accompanying information. We will then get back to you as soon as we can to advise you of the next step.