

Guide to EI academic accreditation of energy programmes

Guidance notes for institutions applying for

Academic Accreditation

About the Energy Institute

Energy defines modern life. It lights, heats, and cools our businesses and homes, it gets us from A to B, and it is increasingly safe, sustainable, reliable and affordable.

But the story of energy is only part told. Achieving net zero at the same time as opening up access for the world's growing population is one of the most pressing challenges facing humanity. More than ever, we need ingenious people - innovators, entrepreneurs, scientists, and engineers – to make all of this possible and shape our energy future.

The Energy Institute (EI) is the professional membership body bringing global energy expertise together. Our mission is to create a better energy future - for our members and for society - by accelerating a just global transition to net zero.

We're a unique network with insight built over a century and spanning the world of energy, from conventional oil and gas to the most innovative low carbon and energy efficient technologies. We gather and share essential knowledge about energy, the skills that are helping us use it more wisely, and the good practice that keeps it safe and secure.

We articulate the voice of energy experts, taking the know-how from members around the world to the heart of the public debate, and building a powerful, inclusive professional network. And we're an independent, not-for-profit, safe space for evidence-based collaboration, an honest broker between industry, academia, and policy makers. The EI is here for anyone who wants to better understand or contribute to the extraordinary energy system on which we all depend, in the interests of our global future.

If you offer a programme that you are proud of, that's designed to deliver the energy professionals of the future, and if you are passionate about delivering quality of learning experience and delivery, it makes sense to apply for EI accreditation.

Types of accreditation

The EI can offer accreditation for a wide range of professional development programmes, whether they are offered by higher education institutions, FE colleges or in-house by companies wanting to develop their staff team.

We can accredit programmes in relation to EI unique standards – Member of the EI (MEI) and Chartered Energy Manager (CEM).

Under our Royal Charter and license with the Engineering Council we are able to accredit programmes for a maximum of five years conducted under the fourth edition of the Accreditation of Higher Education Programmes (AHEP4) for Chartered Engineer (CEng) and Incorporated Engineer (IEng).

We see our relationship with our accredited providers as one of partnership, bringing close connections with the energy sector, opportunities to network and progress for your students, staff and graduates, and promotional opportunities for you, your institution and the programmes and quality learning experiences you offer.

Accreditation indicates that your programme delivers a foundation from which your students can go on to demonstrate professional competence once they have gained experience and applied their knowledge to an appropriate standard in the workplace.

Accreditations available in relation to titles which are unique to the EI

If your institution offersat the following level or levels in the qualifications frameworkwe can consider your programme for accreditation in relation to
A qualification focused on any aspect of energy	Levels 5-8	Member of the Energy Institute
A qualification focused on energy management and efficiency including the development of energy policies in organisations	Levels 6-8	Chartered Energy Manager

Accreditations available in relation to engineering titles awarded by the EI under Licence from the Engineering Council

If your institution offers the following qualifications with a clear focus on energy	...at the following level or levels in the qualifications framework...	...we can consider your programme for accreditation in relation to the learning outcomes for
Higher National Certificates and equivalent qualifications	Level 4/5	Partial IEng
Foundation degrees and equivalent qualifications in engineering	Level 5	Partial IEng
Bachelor and Bachelor (Hons) degrees including top-up degrees	Level 6	Full IEng or partial CEng
Integrated Masters' degree (e.g. MEng) in engineering Masters' degrees other than the Integrated Masters,	Level 7	Full CEng
Doctoral programmes and equivalent qualifications and apprenticeships	Level 7/8	Further learning for CEng

Further information on Engineering Council outcomes and qualifications structure is provided on the Engineering Council's website. We have also included details of a number of useful publications at the end of this guide in the Appendix.

What is accreditation?

Accreditation indicates that your programme delivers a foundation for your students to go on to build successful careers in the energy sector. Not only that, but it sets your students on the path to go on to achieve professional titles which are widely recognised around the world¹.

It's a peer review showing that your programme delivers the outputs expected by industry, and it helps students, their parents and advisors understand which degree programmes have been reviewed and formally recognised by the energy sector and offer a clear pathway for progression.

Accreditation is granted to programmes on an individual basis. We do not accredit departments or institutions, though we do offer Learning Affiliate membership, which signifies your institution's commitment to delivering high quality learning and development in energy. You will find more information about Learning Affiliate membership on our website.

What are the benefits?

Show your programme meets the energy sector standards

EI accreditation gives independent assurance that your programme has met the rigorous quality standards and outcomes set by the energy sector. What's more, accreditation gives you ongoing support in the continuing development and evolution of your programmes to meet the sectors' changing needs. Through our partnership as an EI Learning Affiliate and provider of accredited programmes, you will have the opportunity to participate in a range of networks to help to keep your understanding of the sector up to date and fresh.

Boost your students' employability

EI accredited programmes are widely respected, and graduates are sought out by employers all over the world.

Make sure your programme stands out from the crowd

Accreditation acts as a kitemark for students looking for a quality learning experience which will be the starting point for their energy career. If your programme is granted accredited status, you will be able to use the EI's accredited course logo in your promotional material and your programme will receive a free listing on the EI's directory of accredited courses. There are opportunities for your institution to raise its profile as part of the EI community through getting involved in our committees, volunteer network and contributing to our magazine and knowledge resources.

Help your students on the pathway to professional qualifications

As a Learning Affiliate (a prerequisite for accreditation) your students will get free Student membership for the duration of their studies, and opportunities to connect with the energy sector, internationally and locally. Students completing accredited or approved programmes have a more straightforward route to respected qualifications. Students undertaking engineering programmes can apply to the EI for Interim Registration, recognising that they have the foundation technical knowledge required for a career in engineering.

¹ Once they have gained suitable experience in the workplace and demonstrate their professional competence.

The EI partnership ethos

The EI has a partnership model of accreditation. Our aim is to create a strong and positive relationship, working together with institutions for mutual benefit, with a shared goal of developing capability in energy for the benefit of society.

Naturally, we expect our institutions to care about and be committed to the EI and share our aims and values in promoting knowledge skill and good practice and supporting individuals in moving forward to a great career in the sector.

We ask for universities to get involved with the EI, and encourage student membership, and for at least two of the staff team to be professional members of the EI. This refers to Member (MEI), Technician Member (TMEI) and Fellow (FEI). We can also provide Affiliate membership for up to two further members of your team (nominated by you) so that we can keep communication flowing, making sure that your staff team and students don't miss out on opportunities, and to help you build your connections.

We look for evidence of your engagement with the EI as a component of the accreditation process, and this will also be reviewed when we come to look at the reaccreditation of programmes for a further period, so that we can make sure that everyone is getting full benefit from the partnership and there is genuine commitment from staff and students.

Learning Affiliate membership

To apply for accreditation for your course, you will first need to sign up for Learning Affiliate membership for your department. Learning Affiliate membership provides a simple way for your staff and students to begin their relationship with the EI and enables them to get the benefit of your partnership with the EI from day one.

Your Learning Affiliate status includes free Student membership for your students for the duration of their studies, giving them access to our weekly online magazine, New Energy World, newsletters, local branches and networks, reductions on publications and training courses, and discounts on events (plus exclusive access to some member only events).

Your staff will also get access to news and discounted services at our group member rate. There are opportunities for your institution to raise its profile as part of the EI community through getting involved in our committees, volunteer network and contributing to our magazines and knowledge resources.

You can take up Learning Affiliate status purely for the benefits it brings to staff and students, or as the first step on your accreditation journey.

What is the EI looking for from an accredited course?

In reviewing your application for accreditation, the EI's Accreditation and Approval Panel will look at a range of evidence, including, most importantly, the learning outcomes of your programme and whether what you deliver meets the requirements set by the EI (and where relevant, other bodies such as the Engineering Council).

We'll review

- Your department's, focus, ambitions, and ethos
- Your teaching and learning processes and strategies
- How the programme is assessed
- The resources allocated to the delivery of your programme (human, physical and material)
- The professional qualifications held by your staff
- Your internal regulations regarding progression and the award of degrees
- Your arrangements for quality assurance
- Your evidence that the programme is at the appropriate level of the relevant framework for HE qualifications in England, Wales and Northern Ireland or in Scotland
- Your arrangements and requirements for entry to your programme, how you support cohort entry extremes and how you evaluate and recognise prior learning
- If you are applying for a second period of accreditation, how previous accreditation recommendations and requirements have been addressed
- How your institution has engaged with the EI so far including whether students are signing up to become members.

There are a number of overarching considerations which are key to the accreditation process. We will want to see that you:

- ✓ **Are engaged with industry.** We will want to see there is clear connection and active engagement with the energy sector and employers
- ✓ **Are committed to evolution.** The world of energy is moving fast. We will want to see that there are clear mechanisms in place for consultation, discussion and review to ensure that programme content continues to evolve over time to meet the changing needs of the energy sector and take account of current and evolving technologies and practice.
- ✓ **Have an engaged and appropriately qualified staff team.** We will want to see you have the expertise in place to deliver a highly quality, engaging programme, so you will need to show that your team are
 - qualified to appropriate standards
 - have the necessary background and ability to teach/train to the required level
 - are suitably vocationally motivated
 - are committed to quality
 - have appropriate energy knowledge, skills and understanding

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- have time to support their students appropriately and are supported in their own professional development.

✓ **Have appropriate facilities in place** to underpin a great learning experience including appropriate lab, library and IT facilities, and opportunities for site visits where appropriate.

✓ **Have a clear and active commitment to equality of opportunity, inclusivity and accessibility.**

Additional requirements set by the Engineering Council

HEI's need to be aware of the specific Compensation and Condonement policy, please click on the link [EngC Compensation and Condonement Policy](#)

The conditions of accreditation

In addition to demonstrating that your programme delivers the output and other requirements, we also ask you to make a number of commitments:

- Maintain Learning Affiliate membership for the duration of the accreditation period
- Your course(s) must have been running for at least 6 months
- Actively promote EI membership to staff and students.
- use the 'Accredited Course' logo on promotional materials and website
- ensure that there are an appropriate number of individuals holding professional qualifications on your staff. As stated earlier in this guide, we require a minimum of two professional members of the EI (TMEI, MEI or FEI) per department. If you are applying for accreditation in relation to Engineering Council standards i.e. IEng or CEng accreditation you will also need to have at least two members of staff holding registration at the same level or above, which can be held with any Professional Engineering Institution.
- appoint two department representatives to act as points of contact for the EI
- notify the EI of any significant changes to the programme before implementation to ensure that any changes you propose to do compromise your adherence to the requirements of accreditation and your delivery of the output standards.

A full list of the Terms and Conditions of accreditation are provided on the EI website [here](#).

Applying for accreditation of your programmes (including reaccreditation)

The accreditation process is overseen by the EI's Accreditation and Approvals Panel (AAP). Our Accreditation Team will guide you through the process and answer any questions you have on the way.

Step 1	Sign up as a Learning Affiliate, promote your status to staff and students and start using EI benefits and networks
Step 2	Complete the Initial Submission form. This initiates the dialogue between your institution and the EI on the potential accreditation (or reaccreditation) of a programme or programmes. The Initial Submission form asks for a basic overview of the programmes you wish to accredit and looks at your engagement so far with the EI. Our assessors will review the outline content of the programme to make sure that your programme looks to be relevant for EI accreditation and for evidence of engagement. Please note that a programme must have been running for at least six months before it can be considered for accreditation by the Energy Institute.
Step 3	If we have all the information we need and can proceed, we will invite you to complete the Main Submission Form. This form goes into more detail about programme content, industrial input and methods of delivery, how your programme meets the detailed requirements and outputs required for accreditation.
Step 4	Your main submission will be reviewed by a member of our Accreditation and Approvals Panel (AAP). Feedback will be provided and you will work with our Accreditation Team to progress the process.
Step 5	A visit date will be arranged, which will usually take place over two days and allows the visiting panel to meet with staff and students, as well as getting further detail on the programme and facilities. The visiting panel typically includes two members of our AAP, an industry representative and secretariat from the EI.
Step 6	Our Visiting Panel will provide informal feedback at the end of the day. A report will be written and sent to you so that you can check for factual accuracy. You will also have the opportunity to respond to any requirements or recommendations which the Panel has identified in the report.
Step 7	The report, with any comments you have made, will be referred to the next meeting of the AAP who will review the findings of the visit and confirm whether accreditation is granted, whether it is subject to any requirements or recommendations, and the period of accreditation as appropriate.
Step 8	A letter will be sent to you confirming the AAP's decision and any actions required. A certificate will also be sent to you once accreditation has been awarded, if requested.

The information we will ask you to provide, and when

We will ask for a range of information at different stages during the application process, so it is important that you make sure that you have everything available before you begin. We reserve the right to halt the process if the material you have been asked to provide is not made available at the appropriate stage.

In your Initial Submission Form

In your Initial Submission, you will need to supply, in an electronic format:

- your programme specifications
- basic information about your department and programmes, your experience in offering energy programmes and why you would like to apply for accreditation.

In your Main Submission

We invite you to complete the Main Submission once we have confirmed that we are able to take forward your application. You will need to complete the following forms:

- main submission form
- the relevant output standard matrix for each of the programmes you are submitting
- energy mapping form detailing the module-by-module mapping of the energy content for each programme

You will need to provide, in an electronic format:

- QAA Programme Specification for each programme you are submitting
- External examiners' reports and responses from the previous 2 years
- the module descriptors you provide for your students and the expected learning outcomes for each major topic of student coursework. The descriptors should show the pre-requisites and co-requisites
- Minutes from the Industrial Advisory Board from the previous 2 years along with the Terms of Reference.
- Minutes from the Student Staff Liaison Committee from the previous 2 years.
- Project and student handbook
- Condonement and Compensation Policy
- Summary CVs (or a version of) from academic staff (full and part-time). This can be a document detailing qualifications and experience.
- A selection of exam and coursework questions from the previous two years.
- For CEng and IEng accreditation only: a selection of student output material including coursework, dissertations and major projects. Where possible please provide 3 marked samples per module; one high, one average and one around the pass threshold.

The Main Submission form comes with full guidance, and templates where relevant.

About the accreditation visit

Most accreditations require a visit by our panel². The purpose of the visit is to verify that the programmes are operating as described in the documentation you have provided and to meet with staff and students to discuss the programmes in more depth. It's also a great opportunity to get to know you better and discuss how we can develop our partnership.

Not all visits are face to face, but we will always carry out a physical visit where you are requesting accreditation of a new programme in relation to the standards for CEng or IEng, MEI or Chartered Energy Manager.

If your request is for reaccreditation (e.g., where we have granted accreditation to your programme in the past and there have been no significant changes beyond natural course evolution), it may under some circumstances be possible to carry out a visit virtually, at the discretion of the Accreditation and Approvals Panel. As a condition of our agreement to a virtual visit, you must be able to provide all material electronically at least 6 weeks ahead of the visit and be able to arrange for all required meetings to take place virtually on the allocated day.

As part of the visit, we will want to:

- meet with staff, including the Head of Department, programme leaders and senior staff
- meet with students at a variety of stages in the programme, and graduates
- tour facilities, including laboratories and equipment
- view your virtual learning environment, to which you will need to arrange access

We will provide you with further information about the visit once we have reviewed your main submission.

The Panel will normally give you an indication of their recommendation regarding accreditation of your programme at the end of the day. However, this should be regarded as indicative only, and will be subject to ratification by the EI's Accreditation and Approvals Panel alongside the visit report. You will be given the opportunity to make any factual amendments and comments if you wish before the report is taken forward to the EI's Accreditation and Approvals Panel for a final decision.

Documents for the panel to review

You will need to make a range of material ready for our panel to view during an accreditation visit. If we conduct a virtual or hybrid visit, you will be asked to submit some of this material electronically six weeks in advance of the 'visit'.

We will need to see the at least the two most recent cohorts of student output material and assessments including information such as:

- Marked examination scripts
- Marked samples of coursework (with feedback given to students)
- Individual projects and dissertations (including marks and marking schemes used in the assessment). They should include a sampling of projects spanning the full range of marks

Please note that this list is not exhaustive. You will be provided with full guidance on what the Visiting Panel will need to see ahead of the visit.

² From 2016 a visit may not be required where the programme concerned has significant commonality with programmes already accredited by the EI.

Confirming accreditation

Throughout the process our aim is to provide you with constructive feedback to help you develop your programme and make sure that it meets industry standards.

As part of the report, you may see commendations, recommendations, and requirements.

- We may make **commendations** where we find that there is good practice or notably high standards or innovation.
- **Recommendations** are suggestions for ways in which we think that your programme could be developed or enhanced or even ways we could work together. Recommendations are not mandatory, but we will expect you to demonstrate that you have considered implementing the recommendation if we consider the programme for re-accreditation.
- **Requirements** are conditions placed upon the grant of accreditation, with deadlines by which you will need to take action. The period of accreditation may in many cases begin before these requirements are completed, but if they are not met in the time period stipulated, accreditation of your programme(s) may be suspended.

What will it cost?

A fee of £1,300 will be charged for face-to-face visits. We will do our best to limit visit panel expenses to £1,300 but if they exceed this, an invoice for the difference will be sent to the university after the visit. Please note that this fee is separate to that of the Learning Affiliate fee, which is payable on an annual basis.

The EI reserves the right to cancel an accreditation visit if the initial expense payment has not been settled one week in advance of the visit.

Frequently asked questions

How long does it take to get programmes reviewed for accreditation?

The length of time it takes to gain accreditation can vary. It very much depends on when you submit your application, whether it is complete and well presented, and whether there are any issues of clarification as we work through the process. It will also depend on when the meetings of the Accreditation and Approvals Panel are due to take place.

However, as a general guide, the application process can normally be completed within 6-12 months, from your initial submission through to the final decision. If there is a particular date by which you need accreditation, please plan ahead and submit your application in ample time.

Please be aware that programmes must have been running for **at least six months** before they can be considered for accreditation.

Can accreditation be backdated?

Yes, this is possible, to allow cohorts whose work has been reviewed as part of the recognition process to benefit from the decision. However, if you would like accreditation backdated you must request this at the time of your accreditation application. We are unable to undertake backdating for programmes once the decision-making process for your accreditation has been completed.

Is the EI able to accredit programmes being run outside the UK?

Yes, we can. The same standards, level and learning outcomes will apply wherever the programme is delivered, and where the course you wish us to accredit is in engineering, we will need to follow the guidelines set by the Engineering Council within its Registration Code of Practice, and the Accreditation of Higher Education Programmes (AHEP4) standards, in the same way as for UK programmes.

Is the EI able to undertake joint visits with another body?

Yes, if you are applying for accreditation in relation to an engineering programme, it may be possible to arrange a joint visit. Please be aware that where visits can be made jointly, decisions about whether to award accreditation are made by each professional body independently according to their specialist focus, and so the outcome of the visits in respect of each professional body may differ.

What happens where a programme is run at several campuses?

In relation to engineering qualifications, we follow the guidelines set by the Engineering Council. If a university offers the programme(s) being reviewed for accreditation in partnership, franchises or at multiple campuses, there are a choice of two options.

Either

1. We will need to undertake a successful accreditation visit at **each** location where the programme is offered in order for accreditation to be granted; or
2. You will need to satisfy us that all material clearly and unequivocally differentiates the specific delivery locations where the programme is delivered, and which are covered by accreditation and which delivery locations not covered by accreditation. You will need to agree with the EI how you will present the status of the programmes accredited on degree certificates, transcripts or university issued certificates of accreditation, in your course material and on your website, and plans for how you will do this, and example materials will need to be submitted as part of your application.

Students will only be considered to have completed an accredited programme if they have completed the programme at a campus for which accreditation has been confirmed. Further details on this can be found in the [Guidance note on Academic Accreditation](#) from the Engineering Council in Section 7.

Ask us!

Our staff team are here to help you on your journey through the accreditation process. If you have questions about the process or the evidence you will need to provide, or if you would like an informal discussion, please contact us at accreditation@energyinst.org

Appendices

Further information about accreditations offered by the EI and output standards to be demonstrated by institutions applying for accreditation of their programmes.

- **Appendix A - Energy accreditations offered by the EI**
- **Appendix B – Engineering accreditations offered by the EI, and further information**

Appendix A - Energy accreditations offered by the EI

Introduction

The EI awards the professional qualification MEI to those who are undertaking responsible roles in any part of the energy sector.

Unique to the EI, the Energy Institute also awards the title Chartered Energy Manager to professionals who demonstrate competence in the management of energy in an organisational context.

Descriptions of these titles are given below. The competences which must be demonstrated for admission to each title are available on the [EI membership section of our website](#).

Title	Level in the national qualifications framework
1. MEI (Member of the EI)	Level 5 – 8
Who is this title for? MEI is the EI membership grade for those who undertake responsible roles in the energy sector – it is open to professionals working in any aspect of energy, whether that be a technical role or a role relating to financial, legal, or other aspects of the sector.	
MEI programmes accredited by the EI will help students understand the complexities of the energy sector - students will need to demonstrate their knowledge of the energy practices and systems in the design, implementation, and production of energy solution, through innovation, creativity and change. You will need to demonstrate how your programme delivers appropriate knowledge, skills and understanding to help individuals meet the MEI competences, following appropriate practical work experience.	

Title	Level in the national qualifications framework
2. Chartered Energy Manager	Level 6 - 8
About this title Chartered Energy Managers manage energy in an organisation and make sure that it is used efficiently, providing advice on developing and implementing energy efficient policies. They are not only energy experts with a wide-ranging knowledge of complex issues; they are proficient communicators and change managers, helping others understand the potential of energy efficient practice and influencing organisation policy.	
Chartered Energy Manager programmes accredited by the EI Chartered Energy Manager programmes will require students to demonstrate their knowledge of energy management in the development and implementation of energy policies. You will need to demonstrate how your programme delivers appropriate knowledge, skills and understanding to help individuals meet the Chartered Energy Manager competences, following appropriate practical work experience.	

Appendix B - Engineering accreditations offered by the EI

Professional qualifications

Introduction

The EI awards the titles Incorporated Engineer (IEng) and Chartered Energy Engineer (CEng) under its license from the Engineering Council. The competences which must be demonstrated by applicants to be eligible for award of these titles are set out by the Engineering Council in the document UK Spec, which can be downloaded from the [Engineering Council's website](#). Applicants must demonstrate their competence in an energy context.

The EI also awards two energy specific engineering titles which are unique to the EI, alongside the CEng title: Chartered Energy Engineer and Chartered Petroleum Engineer. These can only be awarded to those who demonstrate the engineering competence in an energy context.

Accreditation of delivering foundation technical knowledge and understanding for professional qualifications in engineering

Under its licence with the Engineering Council, the EI can accredit or approve educational programmes which deliver the foundation technical knowledge and understanding required to go on to achieve IEng and CEng. The output standards which must be delivered in programmes are set by the EngC. Engineering qualifications accredited by the EI will need to demonstrate clear energy content.

Qualification type	Level in the national qualifications framework
Higher National Certificates and equivalent qualifications	Level 4/5
Accreditation available for this type of programme Higher National Certificates/Diplomas and equivalent qualifications can be considered for accreditation as partially meeting the requirement for IEng registration .	
About accredited programmes Higher National Certificates or equivalent qualifications either approved or accredited for the purpose of progression towards IEng registration will have an emphasis on the practical application of current and developing technology. An individual who has completed a Higher National Certificate or equivalent qualification or apprenticeship must achieve the prescribed learning outcomes and will possess a coherent body of knowledge including mathematics, natural science and engineering principles, and a proven ability to apply that knowledge to analyse and solve well-defined programmes of work and associated problems using established principles and techniques.	

Qualification type	Level in the national qualifications framework
Foundation Degrees	Level 5
<p>Accreditation available for this type of programme</p> <p>Foundation degrees and equivalent qualifications can be considered for accreditation as partially meeting the underpinning knowledge and understanding requirement for IEng registration.</p>	
<p>About accredited programmes</p> <p>Foundation degrees or equivalent qualifications accredited for the purpose of IEng registration will have an emphasis on the applications of current and developing technology.</p> <p>An individual who has completed a Foundation degree or equivalent qualification must achieve the prescribed learning outcomes and will possess a coherent body of knowledge including mathematics, natural science and engineering principles, and a proven ability to apply that knowledge to analyse and solve broadly defined problems using established principles and techniques.</p> <p>With an appreciation of professional engineering practice and ethics, graduates will be able to apply their knowledge and skills to new situations.</p>	

Qualification type	Level in the national qualifications framework
Bachelor and Bachelor (Hons) including top-up degrees	Level 6
<p>Accreditation available for this type of programme</p> <p>Bachelors and Bachelors (Hons) degrees can be considered for accreditation as fully meeting the underpinning knowledge and understanding requirement for IEng registration.</p>	
<p>About accredited programmes</p> <p>Bachelors degrees and Bachelors (Honours) degrees accredited for the purpose of IEng registration will have an emphasis on the applications of current and developing technology.</p> <p>Graduates from a Bachelor's degree or Bachelors (Honours) degree must achieve the prescribed learning outcomes and will possess a coherent body of knowledge including mathematics, natural science and engineering principles, and a proven ability to apply that knowledge to analyse and solve broadly defined problems using established principles and techniques. Some of the knowledge will be informed by current developments in the subject of study.</p> <p>With an appreciation of professional engineering practice and ethics, graduates will be commercially aware and able to apply their knowledge and skills to design and deliver products, systems, and processes to meet defined needs using current technology.</p>	

Qualification type	Level in the national qualifications framework
Bachelor (Hons)	Level 6
<p>Accreditation available for this type of programme</p> <p>Bachelors (Hons) degrees can be considered for accreditation as partially meeting the underpinning knowledge and understanding requirement for CEng registration.</p>	
<p>About accredited programmes</p> <p>Bachelors (Honours) degrees accredited for the purpose of CEng registration will have an emphasis on developing solutions to engineering problems using new or existing technologies, through innovation, creativity, and change.</p> <p>Graduates from a Bachelors (Honours) degree must achieve the prescribed learning outcomes and will possess a coherent body of knowledge including mathematics, natural science and engineering principles, and a proven ability to apply that knowledge to analyse and solve complex problems. Some of the knowledge will be at the forefront of the particular subject of study.</p> <p>Graduates will be able to select and apply quantitative and computational analysis techniques, recognising the limitations of the methods employed.</p> <p>With an appreciation of professional engineering practice and ethics, graduates will be commercially aware and able to apply their knowledge and skills to design and deliver new products or services to meet defined needs using new or existing technologies.</p>	

Qualification type	Level in the national qualifications framework
Integrated Masters (e.g., MEng)	Level 7
<p>Accreditation available for this type of programme</p> <p>Integrated masters programmes can be accredited as fully meeting the underpinning knowledge and understanding requirement for CEng registration.</p>	
<p>About accredited programmes</p> <p>Integrated Masters degrees (often denoted MEng) accredited for the purpose of CEng registration will have an emphasis on developing solutions to problems, using new or existing technologies, through innovation, creativity and change.</p> <p>The Integrated Masters will go beyond the outcomes of accredited Bachelors (Honours) degrees to provide a greater range and depth of specialist knowledge, within an authentic environment, as well as a broader and more general academic base. These programmes should provide a foundation for leadership and innovative engineering practice.</p> <p>Graduates from an Integrated Masters degree must achieve the prescribed learning outcomes and will possess a broad and coherent body of knowledge including mathematics, natural science and engineering principles, and a proven ability to apply that knowledge to analyse and solve complex problems. Much of the knowledge will be at the forefront of the particular subject of study.</p> <p>Graduates will be able to select and apply quantitative and computational analysis techniques in the absence of complete data, discussing the limitations of the methods employed.</p> <p>With an appreciation of professional engineering practice and ethics, graduates will be commercially aware and able to apply their knowledge and skills to design, deliver and evaluate innovative new products.</p>	

Qualification type	Level in the national qualifications framework
Master's degrees other than MEng	Level 7
<p>Can be accredited as meeting the further learning requirement for the underpinning knowledge and understanding requirement for CEng registration.</p>	
<p>About accredited programmes</p> <p>Accredited as further learning to Masters level for the purposes of CEng registration, vary in nature. Some offer the chance to study, in greater depth, particular aspects or applications of a broader discipline in which the graduate holds an Honours degree at Bachelors level. Others bring together different engineering disciplines or subdisciplines in the study of a particular topic, or engineering application. These programmes should provide a foundation for leadership and innovative engineering practice.</p> <p>Graduates from a Masters degree other than the Integrated Masters must achieve the prescribed learning outcomes and will possess a coherent body of knowledge including mathematics, natural science and engineering principles, and a proven ability to apply that knowledge to analyse and solve complex problems. Much of the knowledge will be at the forefront of the particular subject of study.</p> <p>Graduates will be able to select and apply quantitative and computational analysis techniques in the absence of complete data, discussing the limitations of the methods employed.</p> <p>With an appreciation of professional engineering practice and ethics, graduates will be commercially aware and able to apply their knowledge and skills to design, deliver and evaluate innovative new products or services to meet defined needs, using new or existing technologies.</p>	

Qualification type	Level in the national qualifications framework
Doctoral programmes	Level 8
Accredited as meeting the further learning requirement for the underpinning knowledge and understanding requirement for CEng registration .	
See wording for MEng degrees and equivalent.	

Further information and publications from the Engineering Council

- **AHEP** is the [Accreditation of Higher Education Programmes](#) and sets out the learning outcomes required for IEng and, CEng accreditation.
- **UK Spec is The [UK Standard for Professional Engineering Competence](#)**. It sets out the competence and commitment required for registration as an Incorporated Engineer (IEng) or Chartered Engineer (CEng). It also includes examples of activities that demonstrate the required competence and commitment
- **The [CEng](#) and [IEng](#) e-books Information** from the [Engineering Council](#) about its registrations and how they can enhance your professional career.
- **CPD Code for Registrants – [this document](#)** sets out the Engineering Councils expectations of those who hold a professional registration in engineering.
- **Compensation and Condonement policy** which programmes accredited for CEng or IEng must adhere to.
- **Registration Code of Practice** includes the Regulations that Licensees of the Engineering Council must adhere to when registering applicants, recognising programmes of learning and development, and undertaking processes related to this.