UK-SPEC

The UK-SPEC sets out the standards of competence and commitment that an individual must demonstrate in order to be professionally registered with the Engineering Council. It supports development in five key areas:

- A Knowledge and understanding
- D Design and development of processes, systems, services and products
- C Responsibility, management and leadership
- D Communication and inter-personal skills
- E Professional commitment

The titles IEng or CEng are most relevant for teachers in HE. The Engineering Council is the UK regulatory body for the profession of engineering. It grants recognition, by peer review, of your competence and ethics that govern the award and retention of professional registration.

The title CEng is protected by law and is one of the most recognisable international engineering qualifications. It is awarded to individuals who demonstrate achievement of the competence and commitment requirements published in the UK-SPEC. These are developed through a combination of education, training and experience. As well as the competence and commitment elements in UK-SPEC, demonstration of the prescribed standard of underpinning knowledge and understanding is required typically at an accredited engineering degree.

Academics seeking CEng status must first join one of the discipline specific professional engineering institutions, and apply through that institution in the same way as any other CEng candidate. For further advice about the review process, mentoring, timelines and how to present evidence, contact the relevant institution directly. A list of engineering institutions that are licensed to assess candidates for professional registration is available at www.engc.org.uk.

The CEng assessment process, known as professional review, is a peer assessment process and involves a review of documentary evidence and an interview. Documentary evidence may be derived from a range of sources such as course development, research, management research contracts, industry-related activity, consultancy activity, public engagement and supervision of design and research projects.

About Chartered Engineer status

The title CEng is protected by law and is one of the most recognisable international engineering qualifications. It is awarded to individuals who demonstrate achievement of the competence and commitment requirements published in the UK-SPEC. These are developed through a combination of education, training and experience. As well as the competence and commitment elements in UK-SPEC, demonstration of the prescribed standard of underpinning knowledge and understanding is required typically at an accredited engineering degree.

Academics seeking CEng status must first join one of the discipline specific professional engineering institutions, and apply through that institution in the same way as any other CEng candidate. For further advice about the review process, mentoring, timelines and how to present evidence, contact the relevant institution directly. A list of engineering institutions that are licensed to assess candidates for professional registration is available at www.engc.org.uk.

The CEng assessment process, known as professional review, is a peer assessment process and involves a review of documentary evidence and an interview. Documentary evidence may be derived from a range of sources such as course development, research, management research contracts, industry-related activity, consultancy activity, public engagement and supervision of design and research projects.

Further information about the UK-SPEC and HEA Fellowship is available from: www.heacademy.ac.uk

About Chartered Engineer status

The title CEng is protected by law and is one of the most recognisable international engineering qualifications. It is awarded to individuals who demonstrate achievement of the competence and commitment requirements published in the UK-SPEC. These are developed through a combination of education, training and experience. As well as the competence and commitment elements in UK-SPEC, demonstration of the prescribed standard of underpinning knowledge and understanding is required typically at an accredited engineering degree.

Academics seeking CEng status must first join one of the discipline specific professional engineering institutions, and apply through that institution in the same way as any other CEng candidate. For further advice about the review process, mentoring, timelines and how to present evidence, contact the relevant institution directly. A list of engineering institutions that are licensed to assess candidates for professional registration is available at www.engc.org.uk.

The CEng assessment process, known as professional review, is a peer assessment process and involves a review of documentary evidence and an interview. Documentary evidence may be derived from a range of sources such as course development, research, management research contracts, industry-related activity, consultancy activity, public engagement and supervision of design and research projects.

Further information about the UK-SPEC and HEA Fellowship is available from: www.heacademy.ac.uk

About Chartered Engineer status

The title CEng is protected by law and is one of the most recognisable international engineering qualifications. It is awarded to individuals who demonstrate achievement of the competence and commitment requirements published in the UK-SPEC. These are developed through a combination of education, training and experience. As well as the competence and commitment elements in UK-SPEC, demonstration of the prescribed standard of underpinning knowledge and understanding is required typically at an accredited engineering degree.

Academics seeking CEng status must first join one of the discipline specific professional engineering institutions, and apply through that institution in the same way as any other CEng candidate. For further advice about the review process, mentoring, timelines and how to present evidence, contact the relevant institution directly. A list of engineering institutions that are licensed to assess candidates for professional registration is available at www.engc.org.uk.
Examples of activities relating to UKPSF dimensions which could contribute to demonstrating the achievement of CEng standards

UK-SPEC CEng standard of competence and commitment

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

A1 Maintain and extend a suitable knowledge base, enabling the introduction and running of new courses and teaching/learning technology

A2 Engage in the creative and innovative development of engineering technology, and contribute to the management and continuous improvement of systems.

A3 Lead teams and develop and manage technical and professional development within the limits of agreed standards and codes of practice

A4 Bring about continuous improvement through quality management.

B Ensure appropriate conceptual and practical methods to the analysis, synthesis and solution of engineering problems

B2 Conduct appropriate research, and undertake implementation of engineering solutions.

C1 Demonstrate personal and social skills in delivering teaching activities and providing support and guidance to learners.

C2 Engage in the creative pedagogical and intellectual processes, and contribute to the management and continuous improvement of learning activities.

C3 Plan, budget, organise, direct and control tasks, people and resources.

D2 Demonstrate personal and social skills in delivering teaching activities and providing support and guidance to learners.

D3 Demonstrate personal and social skills in delivering teaching activities and providing support and guidance to learners.

E1 Engage in the creative intellectual processes and contribute to the management and continuous improvement of learning activities.

E2 Manage and apply safe systems of work.

E3 Demonstrate personal and social skills in delivering teaching activities and providing support and guidance to learners.

E4 Perform, manage and control design and delivery of quality and professional products.

V1 Demonstrate expertise and knowledge in the use of English.

V2 Demonstrate expertise and knowledge in the use of ICT.

V3 Demonstrate expertise and knowledge in the use of other languages.

V4 Demonstrate expertise and knowledge in the use of ICT and other forms of media.

04. 05.