

Competences Explained

A competence is a demonstrated ability to apply knowledge, skills and attitudes for achieving observable results.

Engineers Ireland has categorised competences for different membership grades – Chartered Engineer, Associate Engineer, Engineering Technician.

Chartered Engineer

C1 - Competence 1: Engineering knowledge

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

C2 - Competence 2: Application of engineering knowledge

Apply appropriate theoretical and practical methods to the analysis and solution of complex engineering problems.

C3 - Competence 3: Leadership

Provide technical, commercial and managerial leadership.

C4 - Competence 4: Communications skills

Use effective communication and interpersonal skills.

C5 - Competence 5: Ethical practice

Make a personal commitment to abide by the appropriate code of professional conduct, recognising obligations to society, the profession and the environment.

Engineering Technician

T1. Technical Judgement

Exercise technical judgement at an appropriate level.

T2. Contribution to design, development, manufacture, commissioning, operation and maintenance of products, equipment, process and services

T3. Communication and interpersonal skills

Use effective communication and interpersonal skills.

T4. Personal and professional responsibility

Accept and exercise personal and professional responsibility.

T5. Safe working practices

Create and apply safe working practices.

Associate Engineer

AE1 –Exercise independent technical judgement at an appropriate level.

AE2 - Assume responsibility, as an individual or as a member of a team, for the management of resources and/or guidance of technical staff.

AE3 - Design, develop, manufacture, commission, operate and maintain products, equipment, processes and services.

AE4 - Actively participate in financial, statutory and commercial considerations and in creation of cost effective systems and procedures.

AE5 - Utilise effective communication skills and actively participate in human and industrial relations.

AE6 - Make a personal commitment to live by the appropriate code of professional conduct which recognises obligations to society, the profession and the environment.