



IHIE | INSTITUTE OF HIGHWAY
INCORPORATED ENGINEERS



THE INSTITUTION
OF HIGHWAYS &
TRANSPORTATION



Glossary of Further Learning Terms

Academic route	Meeting the educational base requirements by taking an academic qualification such as an accredited MSc.
Accredited Degrees	Degree programmes formally assessed by the JBM as meeting or contributing towards the required academic standards for Incorporated and Chartered Engineer educational bases.
Assessor	Makes judgements on the candidate's academic achievements based on the candidate's evidence.
Assessor ICC	Makes judgements based on the candidate's evidence and is a member of the Individual Case Panel of one of the JBM member institutions. The Individual Case Panel assesses applications from candidates whose academic qualifications have not been accredited to confirm whether they meet the educational base for eventual registration as a Chartered or an Incorporated Engineers.
Contact time	Formal learning in a structured environment such as lectures, seminars, tutorials and meetings.
Educational base	The formal education qualifications needed to become an Incorporated or Chartered Engineer or Engineering Technician.
Employer-Managed Programme	JBM approved scheme which requires the candidate, with the help of a professional engineer acting as a mentor, to plan, record and reflect on specific work experiences to demonstrate the further learning achieved to the required academic level.
External Verifier	Audits the process on behalf of the JBM and makes recommendations to the JBM about approval of the scheme.
Further Learning	The academic gap between the accredited qualification held by a candidate and the educational base needed to register as an Incorporated or Chartered Engineer.
Internal Verifier	Audits the process on behalf of the employer.

Learning outcomes	The specific skills or knowledge that a learner should be able to demonstrate after completing a period of training or education.
Learning time	The complete time period and total effort involved for a candidate to complete Further Learning including formal contact time, preparation for assessment and self-directed learning time.
Mentor	Gives guidance and support to the candidate in the same capacity as a Supervising Engineer (SE) but is named differently to reflect the differences between the Self-Managed and Employer-Managed routes.
Prior learning	The achievement of appropriate knowledge and skills through learning gained prior to the commencement of the work-based Further Learning programme.
Self-Managed route	A structured programme of work-based Further Learning managed by the candidate and which is not part of an approved employer-managed work-based scheme.
Standard Route	A candidate meets the educational base for CEng or IEng registration by holding an accredited degree or a package of accredited qualifications ie BEng (Hons) plus MSc or HNC plus BSc. Such candidates can follow the Standard Route to gain CEng or IEng registration ie they are not required to apply for an academic assessment. For information on experience requirements (IPD) or Professional Review requirements they should refer to the websites of the JBM member Institutions.
Work-based Further learning route (WBFL)	Structured means of using learning acquired through work experience to meet the educational base requirements for Chartered or Incorporated Engineer.
AHEP	Accreditation of Higher Education Programmes. ECUK publication referred to in the guidance note for Employer-Managed Guidelines. http://www.engc.org.uk/UKSPEC .
APL	Approved Prior Learning which is taken into account towards completion of Further Learning. Both certificated learning and experiential learning can be recognised (the latter needs assessment).
ECUK	Engineering Council UK, an organisation set up by Royal Charter to regulate the

	engineering profession in the UK.
FLP	Further Learning Programme.
IPD	Initial Professional Development.
ICE	Institution of Civil Engineers.
IStructE	Institution of Structural Engineers.
IHIE	Institute of Highway Incorporated Engineers.
IHT	Institution of Highways and Transportation.
JBM	Joint Board of Moderators, comprising of the ICE, IStructE, IHT and IHIE.
SARTOR 3	Standards and Routes to Registration issue no 3. This was an ECUK publication and outlined the minimum standards for registration with the Engineering Council as Chartered or Incorporated Engineers or Engineering Technicians. SARTOR 3 has been replaced by UK-SPEC..
SE	Supervising Engineer who is a Chartered (or Incorporated) engineer and manages the Employer- Managed Further Learning Programme and provides support and guidance to the candidate.
SMEs	Small and Medium-sized Enterprises.
UK-SPEC	UK Standard for Professional Competence. The standard for recognition of professional engineers and professional engineering technicians in the UK. The standard is published by ECUK on behalf of the engineering profession.