

These are the further learning pathways graduates can follow to achieve the educational base for chartered (CEng) and incorporated (IEng) engineer level.

To enter a CEng pathway – Graduates need an accredited BEng/BSc (Hons) degree, or an academic qualification assessed as being equivalent to a UK honours degree.

To enter an IEng pathway – Graduates need an approved HND or Foundation Degree (or an academic qualification assessed as being equivalent to a UK HND).

You can find a list of accredited and approved programmes of study and further guidance on further learning on the [JBM website](#).

If your qualification has not been accredited, you will need to get it assessed by your chosen professional institution. You can find out more about this process on your Institution's website (ICE, IStructE, CIHT, IHE or PWI).

Work-based further learning pathways			Academic Routes leading to IEng or CEng as appropriate					
<p><b>Employer-managed further learning</b></p> <p>Provided by employers and run in parallel with their structured IPD training scheme.</p> <p>A list of approved employer-managed further learning programmes is on the <a href="#">JBM website</a>.</p> <p>Supporting guidance:</p> <ul style="list-style-type: none"> <li>- FLJBM05 Employer Managed work-based FL programmes for completion of the educational base for IEng/CEng</li> <li>- FLJBM19 Guidance for supervising engineers, assessors, and verifiers</li> <li>- FLJBM16 Monitoring / Audit visit checklist.</li> <li>- FLJBM11 Guidance for Employers – JBM Audit Visit</li> <li>- FLJBM12 Guidance for Employers – JBM Monitoring Visit</li> </ul>	<p><b>Experiential Learning</b></p> <p>The candidate plans and manages their own learning.</p> <p>This can be done alongside a structured IPD training programme.</p> <p>This route is operated separately by the five JBM member Institutions (ICE, IStructE, CIHT, IHE and PWI).</p> <p>For detailed guidance please refer to the website of your chosen Professional Institution.</p>	<p><b>Technical Report Route</b></p> <p>Allows candidates to use their work experience to make up for a lack of formal academic qualifications at the appropriate level.</p> <p>This route is operated separately by the five JBM member Institutions (<a href="#">ICE</a>, <a href="#">IStructE</a>, <a href="#">CIHT</a>, <a href="#">IHE</a> and <a href="#">PWI</a>).</p> <p>For detailed guidance please refer to the website of your chosen Professional Institution.</p>	<p><b>Technical or non-technical work-based BSc/MSc or EngD programmes</b></p> <p>For holders of CEng or IEng-level accredited bachelor's degrees, approved foundation degrees or HND awards.</p> <p>A range of courses are available - notably the Gateway's BSc/MSc programmes, supported by the Engineering Council.</p> <p>They combine work-based learning and professional experience and are linked to the attribute requirements for CEng or IEng registration.</p> <p>You can find a list of accredited EngD programmes on the <a href="#">JBM website</a>.</p>	<p><b>Technical or non-technical master's degree</b></p> <p>Recommended if you hold a CEng-level accredited bachelor's degree.</p> <p>Full-time, part-time or distance learning courses are available.</p> <p>The <a href="#">JBM website</a> includes:</p> <ul style="list-style-type: none"> <li>- A list of accredited programmes</li> <li>- FLJBM01 Introduction to FL with guidance on academic routes</li> <li>- FLJBM09a Requirements for MScs</li> <li>- FLJBM09b Guidelines for MScs</li> </ul> <p>If the master's degree is not accredited graduates may need to apply for an academic assessment. Graduates should get advice from their chosen Professional Institution (ICE, IStructE, CIHT, IHE or PWI) before enrolling.</p>	<p><b>Technical MSc</b></p> <p>Recommended if you hold an IEng-accredited degree.</p> <p>You can find more guidance on the <a href="#">JBM website</a>:</p> <ul style="list-style-type: none"> <li>- FLJBM01 Introduction to FL with guidance on academic routes</li> <li>- FLJBM09a Requirements for MScs</li> <li>- FLJBM09b Guidelines for MScs</li> </ul> <p>Graduates will need to apply for an academic assessment by their chosen Professional Institution.</p> <p>This involves sending details of their qualifications (bachelor's and master's degrees) to the JBM member Institution.</p>	<p><b>Conversion MSc programmes</b></p> <p>This route is, generally, for holders of a cognate bachelor's degree.</p> <p>Graduates will need to apply for an academic assessment by their chosen Professional Institution.</p> <p>This involves sending details of their qualifications (bachelor's and master's degrees) to the JBM member Institution for assessment.</p>	<p><b>Graduates with a non-accredited bachelor's degree in civil engineering</b></p> <p>Graduates will need to apply for an academic assessment by their chosen Professional Institution.</p> <p>This involves sending details of their qualifications (bachelor's and master's degrees) to the JBM member Institution for assessment.</p> <p>These graduates may need to complete some additional further learning.</p> <p>You can find out more about this procedure on the relevant Institution's website.</p>	<p><b>IEng bachelor's degree</b></p> <p>For holders of a foundation degree or HND.</p> <p>You can find more guidance on the <a href="#">JBM website</a>:</p> <ul style="list-style-type: none"> <li>- Guidelines for accredited bachelor degree programmes.</li> </ul>