

## **Admission Requirements for Founding Members in Nuclear Discipline**

### **1. Application Period**

The application period for Founding Members of Nuclear Discipline is 18 months **from 1 April 2024 to 30 September 2025**.

### **2. Admission Requirements**

Prior to the formal setting up of Scheme “A” training in Nuclear Engineering, candidates applying for the founding member in Nuclear Discipline of the HKIE are required to satisfy any one of the following **Academic Requirements**:

- (i) A bachelor's degree with Honours in engineering or technology relevant to the Discipline accredited by the HKIE; or
- (ii) A bachelor's degree in engineering or technology, accredited by one of the accreditation bodies as listed in the Washington Accord, relevant to the Discipline; or
- (iii) Other Honours degree level qualifications in engineering or technology with "top up" by extra academic study or work experience to align with the Minimum Core Subject Areas for Nuclear Discipline.

The candidates shall have had a minimum of **six** years of relevant and post-academic qualification working experience in Nuclear Engineering with the scope as outlined in Section 3 **Scope of Experience** of the Admission Requirements for Nuclear Discipline. Relevant years of working experience prior to satisfying the above academic requirements may be considered on an individual basis but limited to a maximum of 12 months.

Candidates who satisfy the above requirements will be accepted for Professional Assessment by the Discipline Advisory Panel (DAP) of Nuclear Discipline.

### **3. Professional Assessment**

All candidates are expected to deliver the following documentation together with their applications for founding member:

#### **Training and Experience Report**

Details are included in Section 5 of “M3 – Routes to Membership”.

#### **Documents**

The candidate is required to provide evidence or examples of recent work in support of his claim of attaining professional status, such as reports, plans, calculations, photographs, etc., as appropriate. All these documents should be submitted with the **Training and Experience Report**.

The DAP shall assess the extent to which a candidate for the founding member meets the training and experience requirements set out in Section 3 of “M3 – Routes to Membership” and ascertain the quality of his technical and responsible experience in his branch of engineering. The Professional Assessment shall be based on the documentation submitted by the candidate and an optional interview, as deemed necessary by the DAP. Details of the optional interview are included in paragraph 5.5 of Section 5 of “M3 – Routes to Membership.”

## **Admission Requirements for Members in Nuclear Discipline**

(Candidates must read this leaflet in conjunction with M3 Routes to Membership)

Candidates applying for the class of Member in Nuclear Discipline of the HKIE are required to satisfy the following:

### **1. Academic Requirements**

One of the following academic requirements for Member in Nuclear Discipline:

- (i) A bachelor's degree with Honours in engineering or technology relevant to the Discipline accredited by the HKIE; or
- (ii) A bachelor's degree in engineering or technology, accredited by one of the accreditation bodies as listed in the Washington Accord, relevant to the Discipline; or
- (iii) Other Honours degree level qualifications in engineering or technology or combinations of academic qualifications may be considered for the class of Member based on an individual assessment. Candidates are required to complete Form 1/AQ. Please refer to section 2 of “M3 Routes to Membership” for details.

### **2. Training & Experience**

#### **Scope of Experience**

Nuclear Engineering is multidisciplinary in nature. The scope of experience shall include the knowledge and application of the science and practice of Nuclear Engineering covering the applications of radiation techniques, nuclear power generation and nuclear processes as well as aspects of nuclear safety, radiation protection and monitoring, radiation materials handling, and medical application of radiation. The applicant should have a broad-based experience and responsibility in one or more of the following fields as well as a good understanding of other related aspects.

- Nuclear engineering
- Nuclear/radiation safety management
- Radiation protection and detection engineering
- Electrical and electronic engineering for nuclear application
- Medical and industrial applications of radiation technology
- Industrial applications of radiation technology
- Installation, commissioning, operation and maintenance of nuclear- or radiation-related installations
- Education and training
- Research and development of nuclear and radiological applications for sustainable development
- Radioactive materials and waste handling

#### **Routes of Gaining Experience**

##### **(i) Scheme “A”**

2 years' training in Nuclear Engineering + 2 years' responsible experience.  
A total of 4 years' training and responsible experience.

**(ii) General Experience Route**

Candidates who have not undertaken pre-approved training will be required to have had a minimum of six years of relevant work experience in Nuclear Engineering.

Details of the training and experience requirements are included in Section 3 of “M3-Routes to Membership”.

Candidates who satisfy the above requirements will be accepted for Professional Assessment.

**3. Professional Assessment**

All candidates are expected to deliver the following documentation together with their applications:

**Training & Experience Report**

Details are included in Section 5 of “M3 – Routes to Membership.” All candidates may submit relevant examples of recent work.

**Logbook (for Scheme “A” trainees only)**

All documents should be the candidate’s own work and documents must be “verified” by a Corporate Member of the Institution or the employer.

**Continuing Professional Development (CPD) Record**

Details are included in Section 4 of “M3 – Routes to Membership”

All submitted documents will be treated as confidential and returned to the candidate after assessment. Candidates should however retain copies of all documents submitted as the Institution does not accept responsibility for any documents lost or damaged.

All candidates are required to take a Professional Assessment (including an interview and essay writing) in accordance with Section 5 of “M3-Routes to Membership”.