

Admission Requirements for the Aircraft Discipline

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

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

1. Academic Requirement

The academic requirement for Member in the Aircraft Discipline is:

- (i) an accredited Bachelor's degree with honours in engineering or technology relevant to the Discipline; or
- (ii) a 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 acceptable qualifications, such as passes in Engineering Council UK Part II Examinations before year 2002; or passes in the Engineering Council Postgraduate Diploma after year 2001 up to and including 2012; or
- (iv) Corporate Member of the Hong Kong Institution of Engineers in other Discipline(s)

2. Training/Experience Requirement

Scope of Experience

Aircraft engineering is multidisciplinary in nature. The scope of experience will include, but is not necessarily limited to:

- (a) Air safety investigation
- (b) Certification
- (c) Design and documentation
- (d) Education and training
- (e) Installation
- (f) Manufacture and supply
- (g) Operation and maintenance
- (h) Safety and quality assurance
- (i) Research and development
- (j) Risk management
- (k) Test and evaluation
- (l) User and regulatory requirements

It is not reasonable to expect an applicant to be fully conversant in the entire scope of experience; one must however have broad based experience and responsibility in one or more fields, as well as a good understanding of other related aspects.

Routes of Gaining Experience

(i) Formal Training Route

2 years' training in Aircraft Engineering

Applicants having completed the formal training (Scheme "A" Training) and acquired adequate responsible experience to manage engineering activities and can demonstrate their experience compliance with the HKIE Competence Standards, should be allowed to sit for Professional Assessment. In general, it would take no less than three years after graduation to satisfy these.

(ii) General Experience Route

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

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

3. Professional Assessment (Please refer to Section 5 of M3 Routes to Membership for details)

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

- (i) Training & Experience Report
- (ii) Drawings and Documents
- (iii) Logbooks (if Scheme "A")
- (iv) Continuing Professional Development (CPD) Record

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

All documents submitted will be treated as confidential and will be 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, except for those who are Corporate Members of the HKIE in other Disciplines, are required to take professional assessment (including an interview and essay/technical write-up¹)

Candidates, who are Corporate Members of the HKIE in other Disciplines with six years' relevant experience in Aircraft Engineering, may submit a summary of career history instead of the experience report. The Professional Assessment shall be based on the documentation submitted by the candidate and an interview.

¹ Please refer to Form 1/MD Instructions to Applicants Section 4 Scheme of Adopting Results of Language Tests in lieu of essay/technical write-up for HKIE Membership Admission

ADMISSION REQUIREMENTS FOR THE AIRCRAFT DISCIPLINE FOR MEMBERS OF THE HKIE SEEKING ADDITIONAL DISCIPLINE

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

1. Background

Aircraft engineering is multi-disciplinary in nature. It covers a wide range of professional skills such as mechanical engineering, electronic engineering and manufacturing engineering, etc. Aircraft Discipline therefore welcomes more professional engineers from other disciplines to join and contribute to the profession of aviation industry.

2. Admission Requirements

Academic Requirements

Candidates applying for the Members in the Aircraft Discipline of the HKIE are required to satisfy the following requirement:

- (a) Corporate Member of the Hong Kong Institution of Engineers in other relevant Discipline(s)

Training/Experience Requirement

Candidates are required to satisfy either one of the following requirements.

- (a) Candidates shall have a minimum of 15 years of relevant and post academic qualification work experience in a senior/executive position, including work experience in manufacturing or service industry. He/She shall be required to demonstrate relevant experience in aviation related areas.
- (b) Candidates shall have a minimum of 10 years of relevant and post academic qualification work experience in an engineering position, including work experience in manufacturing or service industry. He/She shall be required to demonstrate relevant experience or training in aviation related areas.

3. Professional Assessment (Please refer to Section 5 of M3 Routes to Membership for details)

All candidates are expected to deliver the following documentation in covering the period of experience required *together with their applications.

- (i) Training & Experience Report
- (ii) Drawings and Documents
- (iii) Continuing Professional Development (CPD) Record

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

All documents submitted will be treated as confidential and will be 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.

Candidates shall submit the training and experience report. The Professional Assessment shall be based on the documentation submitted by the candidate and the candidate will be required to attend an interview only.

** The period of experience required shall relate to the requirements in Section 2.*