**EDU-FO-02 THE INSTITUTION OF ENGINEERS, SRI LANKA**

120/15, Wijerama Mawatha, Colombo 7, Sri Lanka

Website: [www.iesl.lk](http://www.iesl.lk)

**APPLICATION FOR EVALUATION OF ENGINEERING DEGREES / QUALIFICATIONS**

**FOR THE ASSOCIATE MEMBERSHIP OF THE INSTITUTION OF ENGINEERS, SRI LANKA**

**1. Applicant’s Information:**

|  |
| --- |
|  |

Salutation: (Mr. / Ms. / other)

Full name of the applicant:

|  |
| --- |
|  |

Date of Birth: (DD/ MM / YEAR) Gender: Male/ Female

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | / |  |  | / |  |  |  |  |  |  |  |  |  |  |

National Identity Card number: Passport number:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

Contact Information:

Postal Address:

|  |
| --- |
|  |

Email

|  |
| --- |
|  |

Mobile:

|  |
| --- |
|  |

Employment details:

Name of the organization:

|  |
| --- |
|  |

Address:

|  |
| --- |
|  |

**2. Name of the Engineering specialization field that you wish to obtain the Associate Membership:**

*(Please select from the list in Annexure 1)*

|  |
| --- |
|  |

**3. IESL entry requirement** - Results of the GCE (A/L) examination in a single sitting (one and the same sitting):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of Examination | Year of Examination | Offering  Country | Subject | Grade |
|  |  |  |  |  |
|  |  |
|  |  |

*(Note: Please visit for details on IESL entry requirement:* <https://iesl.lk/index.php?option=com_content&view=article&id=47&Itemid=166&lang=en#entry-requirement-for-the-associate-memberships> ).

**4. Academic qualifications obtained in chronological order:** (Attach copies of certificates and Transcripts)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Serial  No. | Academic  Qualification | Awarding  Body | Country of  Study | Course Duration  **(*see Note 1*)** | Date of Registration  (DD/MM/YEAR) | Date of Graduation  (DD/MM/YEAR) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

*Note 1: Course duration should be as published in the University Handbook and stated in the transcript. For those qualifications obtained on Part Time study basis, the equivalent fulltime duration, as published in the relevant course details should be used.*

Please provide the details of **EACH** academic program (Diploma and above) in the format given below

(Attach copies of curriculum, syllabi, Project reports and training reports).

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | Academic Qualification | |  | | | | | | |
|  | | | Specialization | |  | | | | | | |
|  | | | Entry Requirement | |  | | | | | | |
|  | | | Full time or Part time | |  | | | | | | |
|  | | | Name of any authority that has accredited, or recognized the Program | |  | | | | | | |
|  | | | Total no. of Credits required to obtain the qualification | |  | | | | | | |
|  | | | No. of Credits exempted on prior qualifications | | | | |  | |
|  | | | No. of Credits actually earned in the course | | | | |  | |
|  | | | **Details of course modules that earned Credits (*see Note 2* )** | | | | | | | | |
| Module category |  | Module code & name | | No. of Credits | | Total no. of instructional hours | | | | | |
| Lectures | Tutorials | Lab classes | Project works | | Field works |
| Mathematics, Basic Science and Computing |  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
| *Sub total* |  |  | |  | |  |  |  |  | |  |
| Core Engineering |  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
| *Sub total* |  |  | |  | |  |  |  |  | |  |
| Engineering Designs and Projects |  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
| *Sub total* |  |  | |  | |  |  |  |  | |  |
| Industrial Training |  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
| *Sub total* |  |  | |  | |  |  |  |  | |  |
| Management, Engineering Economics, Professional Ethics and Communication |  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
| *Sub total* |  |  | |  | |  |  |  |  | |  |
| Humanities, Social sciences, and Arts |  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
|  |  | |  | |  |  |  |  | |  |
| *Sub total* |  |  | |  | |  |  |  |  | |  |
| Total |  |  | |  | |  |  |  |  | |  |

*Note 2: See Annexure 2 below (Section 6 of the IESL Recognition Manual) to identify the module-category for individual course modules.)*

1. **Memberships in professional bodies:**

|  |  |  |  |
| --- | --- | --- | --- |
| Professional Body | Membership Class | Membership Number | Date of Membership |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

6. Attach a set of copies of the following documents. Please produce the original documents when submitting the dully completed application form for verification purposes. Please ensure to collect the originals after the IESL officials verified the originals with copies submitted.

|  |  |  |  |
| --- | --- | --- | --- |
| I submitted the following documents with the duly completed application form: | Mark (x) | | |
| Copy of the Birth Certificate |  |  |  |
| Copy of the National Identity Card |  |  |  |
| Copy of the Passport (applicable for those who completed the academic qualifications outside Sri Lanka) |  |  |  |
| Copy of the GCE (A/L) Examination Results Sheet |  |  |  |
| Copies of Academic Certificates and Transcripts of the qualifications listed above |  |  |  |
| Project Reports |  |  |  |
| Training Reports |  |  |  |
| Curriculum |  |  |  |
| Syllabi |  |  |  |
| Past Examination Papers |  |  |  |
| University Handbook |  |  |  |
| Proofs on memberships in professional bodies (if applicable only) |  |  |  |
| Confirmation of the evaluation payment |  |  |  |

I certify that the information provided above is true and accurate to the best of my knowledge. I am aware that my application will be rejected if found to contain fraudulent information while processing, or my membership will be withdrawn if found afterwards. I agreed to provide additional details when and where requested by the IESL for assessing my application.

Date: (DD/ MM / YEAR) Signature:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | / |  |  | / |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| Direct confirmation from the University (in a sealed envelope) (……… /.……../……………) | |
| Confirmation Letter | Degree Certificate (optional) |
| Transcript | Confirming of Washington Accord Accreditation  (applicable for WAA degree programmes only) |

|  |  |
| --- | --- |
| **Office Use Only** | |
| Name of the officer accepted the application & verified the documents submitted with originals: | Date:  Signature: |
| **Name of the officer accepted the payment:** | **Date:** |
| **Amount Received: Rs.15,000/=** | **Receipt Number:** |

**ANNEXURE 1**

**FIELDS OF ENGINEERING SPECIALIZATIONS**

1. Aeronautical Engineering
2. Agricultural Engineering
3. Automotive Engineering
4. Biomedical Engineering
5. Building Services Engineering
6. Chemical Engineering
7. Civil Engineering
8. Computer Engineering
9. Electrical and Electronic Engineering
10. Electrical Engineering
11. Electronics and Telecommunications Engineering
12. Electronics Engineering
13. Marine Engineering
14. Materials Science and Engineering
15. Mechanical Engineering
16. Mechatronics Engineering
17. Mining Engineering/Earth Resources Engineering
18. Production Engineering
19. Telecommunication Engineering
20. Textile Engineering

**ANNEXURE 2**

**STRUCTURE AND CONTENT OF THE ACADEMIC PROGRAMME**

### DEFINITIONS OF ACTIVE HOURS (AHs) AND ACADEMIC CREDITS (ACs)

For an academic activity that is granted academic credit, and in which the number of hours associated with it corresponds to the actual contact time of that activity, such as lectures, tutorials, laboratory, design or fieldwork, an Active Hour (AH) is defined as follows:

* one (1) hour of lecture
* two (2) hours of tutorial, laboratory, design or field work

One AH continued over the duration of a semester is defined as an Academic Credit (AC). (One (1) AC is equivalent to about fourteen (14) AHs. However, in the case of Open and Distance Learning, One (1) AC is considered equivalent to about twenty five (25) AHs)

For activities in which contact hours cannot be used to properly describe the extent of the work involved, such as project study, work camps and industrial training, the following definitions are used for an AC:

* one (1) week of project study
* two (2) weeks of work camp
* four (4) weeks of industrial training.

It is appropriate for the programme structure to be designed in such a way that gives a progressive shift of emphasis from engineering science and principles in the early stages to more integrated studies in the final year.

The entire programme must include a minimum of 130 Academic Credits (ACs).

The essential elements are grouped under three headings.

**(a) Mathematics, Basic Sciences and Computing (Minimum of 25 ACs)**

Mathematics should include appropriate elements of linear algebra, differential and integral calculus, differential equations, probability, statistics, numerical analysis and discrete mathematics. Some of the mathematical techniques may be taught within other subjects in the programme where they are relevant.

The basic sciences component of the curriculum must include elements of physics and chemistry, and other relevant elements of sciences. These subjects are intended to impart an understanding of natural phenomena and relationships through the use of analytical and / or experimental techniques.

**(b) Engineering Sciences and Engineering Design (Minimum of 75 ACs)**

A combination of engineering sciences engineering design and projects and exposure to professional practice is recommended. Of this a minimum of 25ACs must be engineering design and projects; and a minimum of 25ACs must be an engineering discipline specialisation.

Engineering science subjects would normally have their roots in basic sciences and mathematics, but carry knowledge further towards creative applications. They may involve the development of mathematical or numerical techniques, modelling, simulation and experimental procedures. Application to the identification and solution of practical engineering problems is stressed. In addition to engineering science subjects pertinent to the discipline, the curriculum must include engineering science content, which imparts an appreciation of important elements of other engineering disciplines.

Engineering design integrates mathematics, basic sciences, engineering sciences and complementary studies in developing elements, systems and processes to meet specific needs.

The engineering curriculum must end with a significant design experience, which is based on the knowledge and skills acquired earlier. Such an exercise is expected to give the student an exposure to the concepts of teamwork and project management. The final year project is required to demand individual analysis, judgement as well as teamwork. Each student should be assessed independently from the work of others. The student is expected to develop techniques in literature review and information gathering.

The engineering sciences and engineering design components of the curriculum must include appropriate content, which requires the application of relevant software.

**(c) Complementary Studies (Minimum of 20ACs)**

A minimum of fifteen (15) academic credits for studies in management, law & regulatory environment, engineering economics, professional ethics and communication and five (5) academic credits in humanities, social sciences, and arts are recommended to complement the technical content of the curriculum.

**EXPOSURE TO PROFESSIONAL ENGINEERING PRACTICE**

Industrial training in a practical engineering environment, directly assisting professional engineers, would give the student a valuable insight into professional practice. Such experience would complement the formal studies at the educational establishment, and should ideally consist of several different types of experience. This must include practical experience in the basic manufacturing and construction techniques applicable to the student’s chosen discipline of engineering. The opportunity to observe human and industrial relations, job organisation, maintenance, safety and environmental procedures from the point of view of the general workforce is an important component in the early preparation for a career as a professional engineer.

Each undergraduate shall undergo industrial training for a period of not less than twenty-four (24) weeks, (continuously, or in 2 sessions of 12 continuous weeks) and submit a report on the training certified by the employer’s representative to enable assessment and the award of credits. The academic credits obtained for industrial training (subject to a maximum of six ACs) is considered under the category of engineering sciences, engineering design and projects. These credits may be acquired by alternative methods of exposure to the working environment provided there is a satisfactory scheme of assessment and award of credits specified in the curriculum.