

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

Introduction

Faculty of Graduate Studies in collaboration with the Department of Electrical, Electronics & Telecommunication Engineering offers MSc in Electrical Engineering. This postgraduate programme is conducted on Saturdays and Sundays (every other weekend) for a period of two years. The first year is dedicated for taught course modules and second year is for both taught modules and the research project. The programme covers advanced topics in Electrical Engineering.

Programme has been designed in accordance with the Sri Lankan Qualification Framework, published by the Ministry of Higher Education and its academic standard is equivalent to Sri Lanka Qualifying level 10. It has been designed by a panel of senior academics and professionals from reputed universities/institutions in Sri Lanka ensuring a high academic standard to facilitate participants to complete MSc in Electrical Engineering Degree in two years even whilst being employed. The medium of instruction is English and all the lectures are webcast through the m-learning platform of KDU.

Intended Learning Outcomes

To produce Electrical Engineering professionals with the ability to,

- a. Investigate, analyze and solve complex problems in Electrical Engineering by applying knowledge of basic science, engineering fundamentals and in-depth technical competence,
- b. Function effectively as a leader or manager or as an effective team member in multi-disciplinary and multi-cultural teams contributing to the community at large,
- c. Evaluate the impact of professional solutions in societal and environmental context while adhering to engineering standards, practices and ethics, recognizing the need for sustainable development in designing engineering solutions for national and international requirements, and
- d. Engage in independent and lifelong learning in the context of technological changes.

Eligibility Criteria

Applicants satisfying **ONE** of the following requirements are eligible for admission:

- a. Degree of Bachelor of Science in Engineering of four-year duration of General Sir John Kotelawala Defence University (KDU) in a relevant field, OR
- b. Degree of Bachelor of Science (Defence Studies) in a relevant field with a minimum of three years of appropriate experience as an Engineer as approved by the Dean, Faculty of Engineering, KDU, OR
- c. A Bachelor of Science Degree (SLQF 6) in a relevant field from a recognized University; OR

- d. Associate Membership or above of Institution of Engineers Sri Lanka (IESL) AND a minimum of one year of appropriate experience after obtaining such membership as approved by the Dean, Faculty of Engineering, KDU, OR
- e. Associate Membership or above of a professional Engineering Institute recognized by Institution of Engineers Sri Lanka (IESL) AND a minimum of one year of appropriate experience after obtaining such membership as approved by the Dean, Faculty of Engineering, KDU.
- f. Any other Engineering Degree (SLQF 5) from a recognized university AND a minimum of one year of appropriate experience in relevant field after obtaining such a degree, as may be approved by the Senate.
- g. A Higher Diploma (SLQF 4) in a relevant field with a minimum of three years of appropriate experience in a relevant field after obtaining such a higher diploma, as may be approved by the Senate.

Course Fee Structure

Item	Amount	
	Military/Police/MOD	Civil
Tuition Fee	Rs. 350,000.00	Rs. 350,000.00
Registration Fee - 3 Years (Initial Registration)	Rs. 4,000.00	Rs. 5,000.00
Library Fees	Rs. 2,000.00	Rs. 2,000.00
Refundable Library Deposit	Rs. 10,000.00	Rs. 10,000.00
Refundable Mess Deposit	Rs. 2,000.00	Rs. 2,000.00
Total	Rs. 368,000.00	Rs. 369,000.00