

Programme Regulations: 2023/24

Programme Title: Degree of Master of Science in Electrical Power (2 Year Programme)

Code: 5441F

Degree of Master of Science in Electrical Engineering Code: 5467F*

Notes

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- (ii) *A core module is a module which a student must pass.*
- (iii) *A core module for PSRB accreditation is a module a student is required to obtain accreditation.*
- (iv) *A compulsory module is a module which a student is required to study.*
- (v) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*

1. Programme Structure

- (a) The programme is available for study in full-time mode only
- (b) The period of study for full-time mode shall be **2 years** starting in September.
- (c) The Masters programme comprises modules to a credit value of 240.
- (d) All candidates shall take the following compulsory modules:

Year 1

All candidates shall take the following compulsory modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Credits Sem 3</i>	<i>Level</i>	<i>Core for PSRB Accreditation</i>	<i>Core for outcomes</i>	<i>Mode</i>
EEE8147	Advanced Power Electronics and Applications	20	20			7			Block
EEE8149	Power Systems Operation and Analysis	20		20		7			Block
EEE8154	Control of Electric Drives	20	20			7			Block
EEE8155	Designing sustainable electric propulsion and generation systems	20		20		7			Block
EEE8157	Renewable Energy Systems and Smart Grids	20		20		7			Block
EEE8159	Electrical Machines and	20	20			7			Block

	Their Applications								
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Year 2

All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Core for PSRB Accreditation	Core for outcomes	Mode
EEE8084	Individual Project	60	30	30		7			
EEE8148	Electrical Power and Control Project	20	20			7			Block
EEE8156	Technology Review Project	20	20			7			

All candidates shall take **one** of the following optional modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Core for PSRB Accreditation	Core for outcomes	Mode
EEE8151	Distributed Control Systems	20		20		7			Block
EEE8152	Digital Control Systems	20		20		7			Block

2. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

For the purpose of professional accreditation, the University's Education Committee has approved a variation in Postgraduate (Taught) Examination Conventions to the effect that a candidate who passes all modules and fails up to 20 credits is recommended, as of right, for the award of an appropriate Master's degree or Postgraduate Diploma, **provided that no mark is below 40** and the weighted average mark for all modules and all non-modular aggregated assessment is at least 50.

*Degree of Master of Science in Electrical Engineering - Code: 5467F, is a non-accredited Masters degree title awarded where a candidate only meets the requirements of the University's Taught Programme Regulations and Examination Conventions and not the requirements of accreditation.

3. Programme Transfers

It is possible for students in Year 1 of the MSc Advanced Electrical Power Engineering (2 year) programme to transfer to the MSc Electrical Power (1 year) programme. Students can request this transfer any time before 1st March in Year 1. Requests after this date will not normally be accepted.

4. Other

As a two year programme, students will be expected to successfully complete Year 1, with no more than 20 credits of failing modules, and **provided that no mark is below 40** (following the normal resit procedures).