

## 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:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Credits Sem 3	Level	Core for PSRB Accreditation	Core for outcomes	Mode
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 1<sup>st</sup> 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).