FACULTY OF ENGINEERING

DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

ELECTRICAL ENGINEERING FOR MODERN POWER SYSTEMS

Master of Science in Electrical Engineering for Modern Power Systems
Postgraduate Diploma in Electrical Engineering for Modern Power Systems
Postgraduate Certificate in Electrical Engineering for Modern Power Systems

These regulations are to be read in conjunction with General Academic Regulations - Postgraduate Taught Degree Programme Level.

Admission

1. **Admission to this programme is only available to students enrolling via the Inner Mongolia University of Technology (IMUT) Collaborative Agreement.**

   Notwithstanding the General Academic Regulations - Postgraduate Taught Degree Programme Level, and in addition to any requirements set out in the Collaborative Agreement, applicants shall comply with the following entry requirements:

   i. satisfactory completion of a relevant BEng programme at a recognised University in China with a minimum of 75% average, or recognised international equivalent.
   ii. Strathclyde's English language proficiency requirement, normally IELTS 6.5 (no individual element below 5.5) or equivalent
   iii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent; or
   iv. have appropriate professional experience.

Duration of Study

2. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

3. Students will undertake a 9-month period of full-time study at the University of Strathclyde, completing 120 credits of taught modules.

4. Students who successfully complete the taught element of the programme will undertake a jointly-supervised part-time project conducted over 18 months whilst students are based at IMUT, China.

Mode of Study

5. The taught element of the programme will be delivered on-campus at the University of Strathclyde and is available by full-time study only.

6. Students will transfer to part-time registration when they begin the project-element of the programme (and will return to China).

Curriculum

7. All students shall undertake an approved curriculum as follows:

   i. for the Postgraduate Certificate no fewer than 60 credits
   ii. for the Postgraduate Diploma no fewer than 120 credits
   iii. for the degree of MSc no fewer than 180 credits including the EE888 project

Compulsory Modules

Module Code	Module Title	Level	Credits
EE873	Advanced Power and Energy Systems	5	20
EE976	Power System Economics, Markets and Asset Management	5	20
EE986	Assignment and Professional Studies	5	20
Students for the degree of MSc only:			
EE888	MSc Project	5	60

Students who have previously completed any module from the list of compulsory modules will be required to undertake an appropriate alternative as approved by the Programme Leader.

Optional Modules

No fewer than 60 credits chosen from:

Module Code	Module Title	Level	Credits
EE974	High Voltage Technology and Electromagnetic Compatibility	5	20
EE975	Power Electronics for Energy and Drive Control	5	20
EE977	Wind Energy and Distributed Energy Resources	5	20
EE987	Sensor Technologies	5	20
EE818	Data Analytics and AI for Energy Systems	5	10
EE866	Power Electronics Devices, Drives and Machines 1	5	10
EE877	Wind Energy and Distributed Energy Resources 1	5	10
EE999	PGDip Electronic and Electrical Engineering Dissertation	5	20

Exceptionally, such other modules totalling no more than 20 credits, as approved by the Programme Leader.

Students may not select any module from the list of optional modules which they have previously successfully completed.

Examination, Progress and Final Assessment

8. See General Academic Regulations - Postgraduate Taught Degree Programme Level.

9. The final award will be based on performance in the examinations, coursework and the EE888 Project where undertaken.

Award

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Electrical Engineering for Modern Power Systems, a candidate must have performed to the satisfaction of the Board of Examiners and must have accumulated no fewer than 180 credits, of which 60 must have been awarded in respect of the Project EE888.

11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Electrical Engineering for Modern Power Systems, a candidate must have accumulated no fewer than 120 credits from the taught curriculum.

12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Electrical Engineering for Modern Power Systems, a candidate must have accumulated no fewer than 60 credits from the taught curriculum.