

FACULTY OF ENGINEERING

DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

FUTURE ENERGY AND POWER SYSTEM OPERATION AND MANAGEMENT

Master of Science in Future Energy and Power System Operation and Management
Postgraduate Diploma in Future Energy and Power System Operation and Management
Postgraduate Certificate in Future Energy and Power System Operation and Management

These regulations are to be read in conjunction with [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

Admission

1. Notwithstanding the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#), applicants shall possess:
 - i. a suitable degree in science or engineering from a recognised institution; or
 - ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent to (i) above; or
 - iii. appropriate professional experience.
2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English competency.

Duration of Study

3. The maximum period of study is 2.5 years.

Mode of study

4. The programmes are available part-time only.

Place of Study

5. The programme is based in Hong Kong. It combines classroom-based (Hong Kong University of Science and Technology, HKUST) and distance learning (Strathclyde).

Curriculum

6. 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 EE790 project

Compulsory Modules

Module Code	Module Title	Level	Credits
EE700	External study at HKUST	5	30
EE767	Power System Operation, Control and Protection	5	20

EE702	Key Power Systems Concepts and Foundations	5	20
EE701	Professional Practice Module	5	10
MSc project			
EE790	MSc Project	5	60

Optional Modules

No fewer than 40 credits chosen from:

Module Code	Module Title	Level	Credits
EE766	Power Electronics Conversion and Control	5	20
EE705	Communications and the Smart Grid	5	10
EE777	Renewable Energy Systems	5	20
EE707	Managing Risk and Uncertainty in Power System Operation	5	10
EE708	Asset Management and Condition Monitoring	5	10
EE703	Power Utility Management – Business module	5	10

Examination, Progress and Final Assessment

7. See [General Academic Regulations - Postgraduate Taught Degree Programme Level](#).

8. The final award will be based on performance in the examinations and coursework together with the MSc project.

Award

9. **Degree of MSc:** In order to qualify for the Dual Degree of MSc in Future Energy and Power System Operation and Management, awarded by the University of Strathclyde and the Hong Kong University of Science and Technology, 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 MSc Project EE790.

10. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Future Energy and Power System Operation and Management a candidate must have accumulated no fewer than 120 credits from the taught curriculum.

11. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Future Energy and Power System Operation and Management a candidate must have accumulated no fewer than 60 credits from the taught curriculum.