FACULTY OF ENGINEERING

DEPARTMENT OF ELECTRONIC AND ELECTRICAL ENGINEERING

COMMUNICATIONS, CONTROL AND DIGITAL SIGNAL PROCESSING

Master of Science in Communications, Control and Digital Signal Processing
Postgraduate Diploma in Communications, Control and Digital Signal Processing
Postgraduate Certificate in Communications, Control and Digital Signal Processing

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 first or second class Honours degree (in Electrical and Electronic Engineering or a cognate subject) from a United Kingdom university; or
   ii. a qualification deemed by the Programme Director acting on behalf of Senate to be equivalent; or
   iii. an appropriate professional experience.

2. In all cases, applicants whose first language is not English, shall be required to demonstrate an appropriate level of English.

Duration of Study

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

Mode of Study

4. The programmes are available by full-time and part-time study.

Curriculum

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

   i. for the Postgraduate Certificate no fewer than 60 credits from the lists of taught modules
   ii. for the Postgraduate Diploma no fewer than 120 credits including all the compulsory modules
   iii. for the degree of MSc no fewer than 180 credits including the EE990 project

Compulsory Modules

Module Code	Module Title	Level	Credits
EE969	Digital Signal Processing Principles	5	20
EE970	Information Transmission and Security	5	20
EE972	Control Principles	5	20
EE986	Assignment and Professional Studies	5	20

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 Director.

Optional Modules

Module Code	Module Title	Level	Credits
EE971	Communications Networks	5	20
EE978	Advanced Digital Signal Processing	5	20
EE980	Embedded System Design	5	20
EE981	Image and Video Processing	5	20
EE982	Control Techniques	5	20
EE999	PGDip Electronic and Electrical Engineering Dissertation	5	20

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

Students for the degree of MSc only

Module Code	Module Title	Level	Credits
EE990	MSc Project	5	60

Students without appropriate background knowledge may be additionally required to undertake selected foundation modules.

Examination, Progress and Final Assessment

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

7. The final award will be based on performance in the examinations, coursework and the EE990 Project where undertaken.

Award

8. **Degree of MSc**: In order to qualify for the award of the degree of MSc in Communications, Control and Digital Signal Processing, 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 EE990.

9. **Postgraduate Diploma**: In order to qualify for the award of the Postgraduate Diploma in Communications, Control and Digital Signal Processing, a candidate must have accumulated no fewer than 120 credits from the course curriculum.

10. **Postgraduate Certificate**: In order to qualify for the award of the Postgraduate Certificate in Communications, Control and Digital Signal Processing, a candidate must have accumulated no fewer than 60 credits from the programme curriculum.