FACULTY OF SCIENCE

DEPARTMENT OF PHYSICS

INDUSTRIAL PHOTONICS

Master of Science in Industrial Photonics
Postgraduate Diploma in Industrial Photonics
Postgraduate Certificate in Industrial Photonics

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 degree (or, in the case of direct entry to the degree of MSc, a first or second class Honours degree) from a United Kingdom University (in an appropriate discipline); or
    ii. a qualification deemed by the Programme Director (or nominees) acting on behalf of Senate to be equivalent to (i) above. This may include a requirement for appropriate industrial experience.

2. Applicants may be required to attend an interview.

Place of Study

3. Some individual research projects may require off-campus work.

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
    ii. for the Postgraduate Diploma – no fewer than 120 credits
    iii. for the degree of MSc – no fewer than 180 credits including a project.

Compulsory Modules

Module Code	Module Title	Level	Credits
PH950	Research Skills	5	20
PH951	Project Training	5	20
PH957	Topics in Photonics	5	20
PH963	Advanced Photonic Devices and Applications	5	20
EE979	Systems Engineering	5	20

PH952	Project*	5	60

*For the degree of MSc only

Subject to the approval of the Programme Director, students may substitute a maximum of two Level 5 modules with other Level 5 modules.

Optional Modules

Module Code	Module Title	Level	Credits
PH958	Optical Design	5	20
PH962	Photonic Materials and Devices	5	20
EE473	Photonic Systems	4	20

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 project.

Award

8. Degree of MSc: In order to qualify for the award of the degree of MSc in Industrial Photonics, a candidate must have accumulated no fewer than 180 credits of which 60 must have been awarded in respect of the project PH952.

9. Postgraduate Diploma: In order to qualify for the award of the Postgraduate Diploma in Industrial Photonics, a candidate must have accumulated no fewer than 120 credits from the modules of the programme.

10. Postgraduate Certificate: In order to qualify for the award of the Postgraduate Certificate in Industrial Photonics, a candidate must have accumulated no fewer than 60 credits from the taught modules of the programme.