# FACULTY OF SCIENCE

# DEPARTMENT OF PHYSICS

# NANOSCIENCE

**Master of Science in Nanoscience**
**Postgraduate Diploma in Nanoscience**
**Postgraduate Certificate in Nanoscience**

*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 60-credit project.

**Compulsory Modules**

| Module Code | Module Title | Level | Credits |
|---|---|---|---|
| PH949 | Physics Skills | 5 | 20 |
| PH953 | Introductory Nanoscience | 5 | 20 |
| PH955 | Advanced Nanoscience 1 | 5 | 20 |
| CH927 | Advanced Nanoscience 3: Nanochemistry | 5 | 20 |
| PH952 | Project*** | 5 | 60 |
| PH954 | Physics Conversion Programme* | 5 | 20 |

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|---|---|---|---|
| Or | | | |
| CH106 | Chemistry: Principles And Practice 1* | 1 | 20 |
| And | | | |
| PH968 | Experimental Laboratories** | 5 | 20 |
| Or | | | |
| PH956 | Advanced Nanoscience 2** | 5 | 20 |

*Either PH954 Physics Conversion Programme or CH106 Chemistry: Principles And Practice 1 or another appropriate module approved by the Programme Director.
**Either PH956 Advanced Nanoscience 2 or PH968 Experimental Laboratories or another appropriate module approved by the Programme Director.
***For the degree of MSc only. If the project is not done in the Department of Physics, students are registered on a 60 credit PGT project of the Department providing the project supervision but assessed under the PH952 module rules.

Subject to the approval of the Programme Director, students may substitute a maximum of two Level 5 modules (totalling no more than 40 credits) with other Level 5 modules. Not all optional modules on this list will be available in each academic year. Please check your programme handbook for confirmation of which optional modules will run.

**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 Nanoscience, 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 Nanoscience, 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 Nanoscience, a candidate must have accumulated no fewer than 60 credits from the modules of the programme.