

FACULTY OF ENGINEERING

DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING

PROCESS TECHNOLOGY AND MANAGEMENT ADVANCED CHEMICAL ENGINEERING WITH MANAGEMENT ADVANCED CHEMICAL AND PROCESS ENGINEERING

**Master of Science in Process Technology and Management
Postgraduate Diploma in Process Technology and Management
Postgraduate Certificate in Process Technology and Management**

**Master of Science in Advanced Chemical Engineering with Management
Postgraduate Diploma in Advanced Chemical Engineering with Management
Postgraduate Certificate in Advanced Chemical Engineering with Management**

**Master of Science in Advanced Chemical and Process Engineering
Postgraduate Diploma in Advanced Chemical and Process Engineering
Postgraduate Certificate in Advanced Chemical and Process Engineering**

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 a relevant discipline; or
 - ii. a qualification deemed by the Programme Leader acting on behalf of Senate to be equivalent to i. above; and
 - iii. have appropriate professional experience and shall normally be employed in the appropriate industry.
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. The minimum duration of study is 3 years and for the maximum duration of study, the [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.

Mode of Study

4. The programmes are available by part-time distance learning study only.

Curriculum

5. **MSc Process Technology and Management** students shall take all modules from the Process Technology, and Business and Management lists, plus an approved curriculum of 30 credits from the Advanced Chemical Engineering list.
6. **MSc Advanced Chemical Engineering with Management** students shall take all modules from the compulsory Chemical Technology and Business and Management lists, plus an approved curriculum of 30 credits from the Advanced Chemical Engineering list.

7. **MSc Advanced Chemical and Process Engineering** students shall take all modules from the compulsory Advanced Chemical and Process Engineering list, plus an approved curriculum (of 50 credits) chosen from the other lists, including a minimum of 30 credits from the Advanced Chemical Engineering optional modules list, with a maximum of 20 credits drawn from the Business and Management list.

Compulsory Modules

Advanced Chemical and Process Engineering

Module Code	Module Title	Level	Credits
CP917	Process Design Principles	5	10
CP964	Process Analysis in Chemical Engineering	5	20
CP974	Advanced Process Design	5	20
CP975	Ethics, Sustainability and Environmental Engineering	5	20

Process Technology

Module Code	Module Title	Level	Credits
CP917	Process Design Principles	5	10
CP974	Advanced Process Design	5	20
CP964	Process Analysis in Chemical Engineering	5	20
CP919	Programming and Optimisation	5	10

Chemical Technology

Module Code	Module Title	Level	Credits
CP917	Process Design Principles	5	10
CP964	Process Analysis in Chemical Engineering	5	20
CP974	Advanced Process Design	5	20
CP919	Programming and Optimisation	5	10

Business and Management

Module Code	Module Title	Level	Credits
EF963	Finance for Engineers	5	10
CP933	Project Management	5	10

CP932	Managing People	5	10
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Students for the degree of MSc only (all streams):

Module Code	Module Title	Level	Credits
CP936	Project	5	60

Optional Modules

Advanced Chemical Engineering

Module Code	Module Title	Level	Credits
CP976	Advanced Process Safety	5	10
CP919	Programming and Optimisation	5	10
CP975	Ethics, Sustainability and Environmental Engineering	5	20
CP955	Molecular simulation in chemical engineering	5	10
CP969	Clean Combustion Technologies	5	10
CP971	Petroleum Engineering	5	10
CP972	Electrochemical Energy Devices	5	10
CP964	Process Analysis in Chemical Engineering	5	20

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

A maximum of 30 credits of modules from the compulsory lists may be substituted for modules from the optional list, provided it is evident from the student's prior education and experience, and professional development needs, that this represents a more appropriate and relevant curriculum. This is also subject to agreement from the Programme Leader, that the alternative curriculum continues to meet the accreditation requirements.

Not all optional modules on this list will be available in each academic year.

Examination, Progress and Final Assessment

8. The [General Academic Regulations - Postgraduate Taught Degree Programme Level](#) shall apply.
9. The final award will be based on performance in the examinations, coursework, and the Project where undertaken.

Award

10. **Degree of MSc:** In order to qualify for the award of the degree of MSc in Process Technology and Management, or Advanced Chemical Engineering with Management, or Advanced Chemical and Process Engineering a candidate must have performed to the satisfaction of the

Board of Examiners and must have accumulated no fewer than 180 credits from an approved programme curriculum, including the 60 credit project

11. **Postgraduate Diploma:** In order to qualify for the award of the Postgraduate Diploma in Process Technology and Management or Advanced Chemical Engineering with Management, or Advanced Chemical and Process Engineering a candidate must have accumulated no fewer than 120 credits from an approved programme curriculum.
12. **Postgraduate Certificate:** In order to qualify for the award of the Postgraduate Certificate in Process Technology and Management or Advanced Chemical Engineering with Management, or Advanced Chemical and Process Engineering a candidate must have accumulated no fewer than 60 credits from an approved programme curriculum.