

# FACULTY OF ENGINEERING

## DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING

### CHEMICAL ENGINEERING

**Bachelor of Engineering with Honours in Chemical Engineering**

**Bachelor of Engineering in Chemical Engineering**

**Diploma of Higher Education in Chemical Engineering**

**Certificate of Higher Education in Chemical Engineering**

*This programme is delivered by Distance Learning only.*

*These regulations are to be read in conjunction with [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)*

#### **Admission**

1. The normal qualification for entry to the course is possession of an HNC in Chemical Engineering plus related work experience, an HND in Chemical Engineering or a degree in another discipline. Other qualifications may be considered.

#### **Credit Transfer and Recognition of Prior Learning**

2. All students undertaking this programme will be awarded between 180 and 240 credits through credit transfer and/or Recognition of Prior Learning (RPL), dependent on qualifications and experience.

#### **Mode of Study**

3. The programme is available part-time by distance learning only.

#### **Duration of Study**

4. Students who are awarded credits via credit transfer or RPL will have a minimum duration of study of 3-4 years and a maximum duration of study of 6-8 years (depending on RPL awarded)

#### **Curriculum**

5. Students shall undertake up to 300 credits (depending on RPL awarded – see section 2) from the list below. All students, regardless of the RPL awarded, **must** undertake all level 3 and level 4 credits listed below.

#### **Compulsory Modules**

Module Code	Module Title	Level	Credits
CP107	Chemistry for Chemical Engineers	1	10
CP108	Mathematics for Chemical Engineers	1	30
CP109	Basic Principles of Chemical Engineering	1	20
CP208	Fluid Flow and Heat Transfer	2	20
CP211	Chemical Principles and Thermodynamics	2	20

CP209	Process Analysis and Statistics	2	20
CP318	Professional Engineering and Project Management	3	10
CP319	Chemical Engineering Safety	3	10
CP314	Mass Transfer Separation Processes	3	20
CP310	Process Design and Simulation	3	20
CP321	Reactors	3	10
CP320	Biochemical Engineering	3	10
CP411	Process Control and Environmental Technology	4	20
CP412	Advanced Separations and Problem Solving	4	20
CP429	Numerical Methods and Programming	4	20
CP428	Chemical Engineering Design	4	40

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

#### **Progress – Accelerated Programme**

6. In order to transfer to the accelerated programme, and to progress to the next year of the course, a student must have accumulated all of the core credits from previous years of the course curriculum.

#### **Progress – Standard Programme**

7. In order to progress to each year subsequent year of the course a student must carry no more than 20 credits from the previous years of the course curriculum.

#### **Final Assessment and Honours Classification**

8. The final classification of the chosen degree will normally be based on the first assessed attempt at all level 3 and level 4 modules.

#### **Award**

9. **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Chemical Engineering, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)

10. **BEng:** In order to qualify for the award of the degree of BEng in Chemical Engineering, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level.](#)

11. **Diploma of Higher Education:** In order to qualify for the award of Diploma in Higher Education in Chemical Engineering, students must have accumulated no fewer than 240 credits from the taught curriculum, noting the minimum requirements for Strathclyde taught

credits outlined in the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#).

12. **Certificate of Higher Education:** In order to qualify for the award of Certificate in Higher Education in Chemical Engineering, students must have accumulated no fewer than 120 credits from the taught curriculum, noting the minimum requirements for Strathclyde taught credits outlined in the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#).