

FACULTY OF ENGINEERING

DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING

CHEMICAL ENGINEERING – Bahrain

Bachelor of Engineering with Honours in Chemical Engineering – Bahrain

Bachelor of Engineering in Chemical Engineering – Bahrain

Diploma of Higher Education in Chemical Engineering – Bahrain

Certificate of Higher Education in Applied Sciences – Bahrain

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

Duration of study

1. The [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.

Mode of study

2. The programme is available by full-time study only.

Place of study

3. Students will study at the University of Strathclyde, Bahrain.

Curriculum

4. **First Year** – All students shall undertake modules amounting to 120 credits delivered by Study Group Ltd. as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
HF103	Academic English Skills	1	30
MM157	Mathematics	1	20
CH121	Chemistry 1	1	20
CH122	Chemistry 2	1	20
MM155	Computational Maths	1	20
XXXXX	Electronics	1	10

5. **Second Year** – All students shall undertake modules amounting to 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
P1203	Thermodynamic and Chemical Principles	2	20
P1204	Fluid Flow and Heat Transfer	2	20

P1207	Process Analysis and Statistics	2	20
P1213	Applied Mathematics and Problem Solving	2	20
P1217	Chemical Engineering Practice 1	2	10
P1218	Applied Mechanics	2	10
P1219	Multiphase Materials and Processes	2	10
P1220	Process Safety Fundamentals	2	10

6. **Third Year** – All students shall undertake modules amounting to 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
P1302	Mass Transfer and Separation Processes	3	20
P1303	Materials Processing and Applications	3	20
P1305	Ethics, Sustainability and Economics	3	20
P1307	Chemical Engineering Practice 2	3	20
P1315	Biochemical Engineering	3	10
P1316	Reactors	3	10
P1327	Chemical Process Design and Simulation	3	20

7. **Fourth Year** – All students shall undertake modules amounting to 120 credits as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
P1405	Process Control and Environmental Technology	4	20
P1407	Chemical Engineering Design	4	60
P1409	Advanced Separations and Problem Solving	4	20
P1414	Particle Technology and Advanced Reactors	4	20

Progress

8. In order to progress to second year, the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply. In addition, students must have passed HF103 Academic English Skills with a mark of 60 or above by the second attempt, and to have passed the remaining 90 credits of the first year

of the programme curriculum with a credit weighted average of 60 or above across those credits by the second attempt.

9. In order to progress to third year, the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.
10. In order to progress to fourth year, the [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#) shall apply.

Final Assessment and Honours Classification

11. The final classification will normally be based on the first assessed attempt at modules taken in the third and fourth years.

Award: Subject to the completion of additional national requirements.

12. **BEng with Honours:** In order to qualify for the award of the degree of BEng with Honours in Chemical Engineering - Bahrain, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#).
13. **BEng:** In order to qualify for the award of the degree of BEng in Chemical Engineering - Bahrain, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#).
14. **Diploma of Higher Education:** In order to qualify for the award of a Diploma of Higher Education in Chemical Engineering - Bahrain, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#).
15. **Certificate of Higher Education:** In order to qualify for the award of a Certificate of Higher Education in Applied Sciences - Bahrain, see [General Academic Regulations – Undergraduate, Integrated Master and Professional Graduate Degree Programme Level](#).