

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

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 programmes are 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 125 credits delivered by Study Group Ltd. as follows:

Compulsory Modules

Module Code	Module Title	Level	Credits
HF103	Academic English Skills	1	30
MM152	Mathematics for Science and Engineering 1	1	15
MM153	Mathematics for Science and Engineering 2	1	15
XXXX	Lab Skills and Scientific Communication	1	5
CH118	Chemistry 1	1	15
CH119	Chemistry 2	1	15
MM149	Applied Mathematics 1	1	15
PH186	Physics 1	1	15

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

Compulsory Modules

Module Code	Module Title	Level	Credits
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CP2XX	Thermodynamic and Chemical Principles	2	20
CP2XX	Fluid Flow and Heat Transfer	2	20
CP2XX	Process Analysis and Statistics	2	20
CP2XX	Process Safety Fundamentals	2	20
CP2XX	Applied Mathematics and Problem Solving	2	20
CP2XX	Chemical Engineering Practice 1	2	10
CP2XX	Applied Mechanics	2	10

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

Compulsory Modules

Module Code	Module Title	Level	Credits
CP3XX	Mass Transfer and Separation Processes	3	20
CP3XX	Materials Processing and Applications	3	20
CP3XX	Ethics, Sustainability and Economics	3	20
CP3XX	Chemical Engineering Practice 2	3	20
CP3XX	Biochemical Engineering	3	10
CP3XX	Reactors	3	10
CP3XX	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
CP4XX	Process Control and Environmental Technology	4	20
CP4XX	Chemical Engineering Design	4	60
CP4XX	Advanced Separations and Problem Solving	4	20
CP4XX	Particle Technology and Advanced Reactors	4	20

Progress

8. In order to progress to the second year of the programme, students are required to have passed all modules with a Credit Weighted Average of 60 by the second attempt and have passed HF103 Academic English Skills at 60 or above.
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](#). A candidate must have accumulated no fewer than 485 credits from the programme curriculum.
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](#).