

FACULTY OF ENGINEERING

DEPARTMENT OF MECHANICAL AND AEROSPACE ENGINEERING

MECHANICAL ENGINEERING – Bahrain

Bachelor of Engineering with Honours in Mechanical Engineering – Bahrain

Bachelor of Engineering in Mechanical Engineering – Bahrain

Diploma of Higher Education in Mechanical 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
PH189	Physics 1	1	20
PH190	Physics 2	1	20
MM157	Maths	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
M1232	Engineering Mechanics 2	2	20
E1222	Electrical Machines and Control	2	10

M1203	Heat and Flow 2	2	20
M1209	Mathematical Modelling and Analysis	2	20
M1212	Materials Engineering and Design	2	10
M1214	Mechanical Engineering Design 2	2	10
XXXXX	Mathematics 2M	2	10
M1294	Energy Systems 1	2	10
	Elective Module		10

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

Compulsory Modules

Module Code	Module Title	Level	Credits
M1361	Dynamics and Control	3	20
M1363	Engineering Analysis 3	3	20
M1301	Heat and Flow 3	3	20
M1327	Structural Mechanics	3	10
M1311	Business Analysis in Engineering	3	10
M1310	Professional Responsibilities	3	10
M1316	Design 3A	3	10
M1317	Design 3B	3	20

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

Compulsory Modules

Module Code	Module Title	Level	Credits
M1402	Case Studies in Engineering	4	10
M1429	Computer Aided Engineering Design	4	20
M1403	Engineering Materials Selection	4	10
M1405	Heat and Flow 4	4	10
M1414	Advanced Mechanics and Dynamics	4	20
M1404	Energy Systems and Modelling	4	10

M1409	Individual Project	4	40
-------	--------------------	---	----

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 Mechanical 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 Mechanical 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 Mechanical 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](#).