Study Plan (150 Credit Hours)

Code	Course name	Credits Hours	Lect. Hours	Lab. Hours
Year 1 (Level 3)				
Semester 1				
GSE111	Mathematics 1	3	3	0
ENG111	Intermediate English	3	3	0
GSE112	Principles of Engineering	3	2	2
GSE114	Engineering Science 1	3	2	2
GSE113	Study Skills and Professional Practice	3	3	0
Semester Total		15	13	4
Semester 2				
GSE125	Engineering Science 2	3	2	2
GSE127	Computer Programming for Engineering	3	1	4
GSE124	Mathematics 2	3	3	0
ArchEng126	Constructing the Built Environment	3	3	0
GSE128	Laboratory and Workshop Skills	3	2	2
ENG112	Advanced English	3	3	0
Semester Total		18	14	8
Summer Semester				
HBH105	Civilisation and Bahrain History	3	3	0
HR106	Human Rights	3	3	0
ARB101	Arabic Language	3	3	0
Semester Total		9	9	0
YEAR Total		42	36	12

Code	Course name	Credits Hours	Lect. Hours	Lab. Hours
Year 2 (Level 4)				
Semester 1				
GSE210	Engineering Practice and Design 1	3	2	2
GSE212	Engineering Mathematics 1	3	2	2
ArchEng218	Architectural Engineering Design and Structures 1	3	2	2
GSE213	Principles of Engineering Science 1	3	2	2
ArchEng214	CAD Graphics	3	2	2
ArchEng215	Integrated Design and Construction	3	3	0
Semester Total		18	13	10
Semester 2				
ArchEng223	Building Technology	3	3	0
GSE220	Engineering Practice and Design 2	3	2	2
GSE222	Engineering Mathematics 2	3	3	0
ArchEng224	Architectural Engineering Design and Structures 2	3	2	2
GSE221	Principles of Engineering Science 2	3	2	2
ArchEng225	Building Environment Simulation and Analysis	3	2	2
Semester Total		18	14	8
YEAR Total		36	27	18

Code	Course name	Credits Hours	Lect. Hours	Lab. Hours
Year 3 (Level 5)				
Semester 1				
ArchEng310	Geotechnics 1	3	3	0
GSE329	Engineering Management and Economics	3	2	2
ArchEng312	Design Procedures for Architecture 1	3	3	0
ArchEng313	AutoCAD-3D	3	1	4
ArchEng314	Structural Design 1	3	2	2
ArchEng315	Advanced Engineering Mathematics	3	3	0
Semester Total		18	14	8
Semester 2				
ArchEng320	Building Information Modelling	3	2	2
ArchEng321	Architectural Engineering Field Studies	3	3	0
ArchEng323	Design Procedures for Architecture 2	3	3	0
ArchEng322	Structural Design 2	3	3	0
GSE324	Engineering Ethics	3	3	0
ArchEng325	Internship	3	0	6
Semester Total		18	14	8
YEAR Total		36	28	16

Code	Course name	Credits Hours	Lect. Hours	Lab. Hours
Year 4 (Level 6)				
Semester 1				
ArchEng410	Engineering Research Methods	3	3	0
ArchEng411	Forensic Engineering and Conservation	3	3	0
ArchEng412	Energy Conservation in Buildings	3	3	0
ArchEng413	Thermodynamics for Buildings	3	2	2
ArchEng415	Project 1	3	0	6
ArchEng414	Structural Design and Analysis 1	3	3	0
Semester Total		18	14	8
Semester 2				
ArchEng424	Innovation, Enterprise and Management	3	3	0
ArchEng420	Project 2	3	0	6
ArchEng425	Structural Design and Analysis 2	3	2	2
ArchEng426	Geotechnics 2	3	3	0
ArchEng422	Design Project	6	0	12
Semester Total		18	8	20
YEAR Total		36	22	28
Programme Total		150	116	68