

### Programme Structure (150 Credit Hours)

Code	Course name	Credits Hours	Lect. Hours	Lab. Hours
<b>Year 1 (Level 3)</b>				
<b>Semester 1</b>				
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
<b>Semester Total</b>		<b>15</b>	<b>13</b>	<b>4</b>
<b>Semester 2</b>				
GSE125	Engineering Science 2	3	2	2
GSE127	Computer Programming for Engineering	3	1	4
GSE124	Mathematics 2	3	3	0
CivEng121	Constructing the Built Environment	3	3	0
GSE128	Laboratory and Workshop Skills	3	2	2
ENG122	Advanced English	3	3	0
<b>Semester Total</b>		<b>18</b>	<b>14</b>	<b>8</b>
<b>Summer Semester</b>				
HBH105	Civilisation and Bahrain History	3	3	0
HR106	Human Rights	3	3	0
ARB101	Arabic Language	3	3	0
<b>Semester Total</b>		<b>9</b>	<b>9</b>	<b>0</b>
<b>YEAR Total</b>		<b>42</b>	<b>36</b>	<b>12</b>

Code	Course name	Credits Hours	Lect. Hours	Lab. Hours
<b>Year 2 (Level 4)</b>				
<b>Semester 1</b>				
GSE210	Engineering Practice and Design1	3	3	0
CivEng219	Structural Design	3	3	0
GSE212	Engineering Mathematics 1	3	2	2
GSE213	Principles of Engineering Science 1	3	2	2
CivEng210	Surveying and Structures 1	3	3	0
CivEng211	Environmental Engineering	3	3	0
<b>Semester Total</b>		<b>18</b>	<b>16</b>	<b>4</b>
<b>Semester 2</b>				
GSE221	Design and Construction 1	3	2	2
GSE222	Civil Engineering Drawing and Surveying	3	3	0
CivEng221	Advanced Engineering Mathematics	3	3	0
GSE220	Hydraulics	3	3	0
GSE324	Structural Mechanics	3	3	0
CivEng226	Infrastructure and Highway Engineering	3	3	0
<b>Semester Total</b>		<b>18</b>	<b>17</b>	<b>2</b>
<b>YEAR Total</b>		<b>36</b>	<b>33</b>	<b>6</b>

Code	Course name	Credits Hours	Lect. Hours	Lab. Hours
<b>Year 3 (Level 5)</b>				
<b>Semester 1</b>				
CivEng310	Design and Construction 1	3	3	0
CivEng315	Civil Engineering Drawing and Surveying	3	2	2
CivEng311	Advanced Engineering Mathematics	3	3	0
CivEng312	Hydraulics	3	2	2
CivEng313	Structural Mechanics	3	2	2
CivEng314	Infrastructure and Highway Engineering	3	2	2
<b>Semester Total</b>		<b>18</b>	<b>14</b>	<b>8</b>
<b>Semester 2</b>				
CivEng320	Design and Construction 2	3	3	0
CivEng321	Theory of Structures	3	3	0
CivEng322	Civil Engineering and Construction Field Study	3	3	0
GSE329	Engineering Management and Economics	3	2	2
CivEng329	Advanced Structural Analysis and Design	3	3	0
CivEng323	Internship	3	0	6
<b>Semester Total</b>		<b>18</b>	<b>14</b>	<b>8</b>
<b>YEAR Total</b>		<b>36</b>	<b>28</b>	<b>16</b>

Code	Course name	Credits Hours	Lect. Hours	Lab. Hours
<b>Year 4 (Level 6)</b>				
<b>Semester 1</b>				
CivEng410	Structural Design and Analysis 1	3	3	0
CivEng411	Civil Engineering Material	3	2	2
CivEng412	Foundations	3	3	0
CivEng413	Engineering System Design	3	2	2
CivEng415	Engineering Research Methods	3	3	0
CivEng414	Innovation, Enterprise and Management	3	3	0
<b>Semester Total</b>		<b>18</b>	<b>16</b>	<b>4</b>
<b>Semester 2</b>				
CivEng423	Current Topic in Civil and Construction Engineering 2	3	3	0
CivEng421	Geotechnical Engineering	3	3	0
CivEng410	Structural Design and Analysis 2	3	2	2
CivEng424	Construction Management	3	3	0
CivEng422	Project	6	0	12
<b>Semester Total</b>		<b>18</b>	<b>11</b>	<b>14</b>
<b>YEAR Total</b>		<b>36</b>	<b>24</b>	<b>18</b>
<b>Programme Total</b>		<b>150</b>	<b>124</b>	<b>52</b>

