Building Engineering (curriculum)

University Compulsory Requirements

Course Nr.	Course name	Weight in Credit Hours
4 001	Arabic Language	3
4 002	Islamic Culture	3
4 003	English Language 1	3
4 320	Modern History of Palestine	3
5 055	Computer And Prog. Principles	3
5 051	Intensive English	0
5 052	Remedial English	0
5 054	Remedial Computer	0
5 073	Effective English Language Use	2

University Elective Requirements

Course Nr.	Course name	Weight in Credit Hours
4 321	Development in the Arabic World	3
4 322	Contemporary Problems	3
4 308	Hebrew Language	3
4 323	French Language	3
4 325	Spanish Language	3
4 326	German Language	3
4 413	Law in Society Service	3
4 622	Democracy, Human Rights, & Human International Law	3
4 626	The History of Science in Arab & Islam	3
5 440	Home Garden	3

College Requirements

Course Nr.	Course name	Weight in Credit Hours
5 059	Computer Programming	3
5 060	Engineering Drawing	2
5 061	Engineering Workshop	2
4 015	Methods of Scientific Research	2
4 011	Eng. Economics & Management	3
4 004	Calculus 1	3
4 005	Calculus 2	3
4 006	Physics 1	3
4 007	Physics Lab 1	1
4 070	English Language 2	3

4 008	Chemistry 1	3
4 009	Chemistry Lab 1	1

Department Requirements

Course Nr.	Course name	Weight in Credit Hours
4 178	Construction Materials	3
4 179	Construction Materials Tech	1
5 449	Strength of Materials	3
5 450	Strength of Materials Lab	1
4 111	Computer Aided Drawing	3
5 198	Fluid Mechanics	3
5 451	Fluid Mechanics Lab	1
4 113	Traffic & Transportation Engineering	3
4 176	Soil Mechanics1	3
4 177	Soil Mechanics lab	1
5 160	Geology	2
5 199	Quantity Surveying & Contracts	3
4 181	Structural Analysis I	3
5 200	Reinforced Concrete I	3
4 627	Surveying I	3
4 174	Surveying I/ Practical	1
4 180	Project Management	3
5 201	Building Construction	3
4 043	Differential Equations 1	3
4 068	Physics 2	3
4 069	Physics Lab 2	1
4 311	Sanitary Engineering	3

Program Compulsory Requirements

Course Nr.	Course name	Weight in Credit Hours
5 161	Building Drawing	3
5 186	Architectural Design	3
4 198	Laws & Regulations of Buildings	2
4 230	Applied Electricity	3
4 171	Applied Electricity Lab	1
5 162	Wiring &Lighting	3
5 163	Thermodynamics & Heat Transfer	3
5 164	Air Conditioning Refrigeration & Sanitary Systems	3
5 187	Heat Transfer Lab.	1
4 182	Structural Analysis II	3
4 189	Surveying II	3
5 202	Surveying II/ Practical	1

4 185	Soil Mechanics II	3
5 203	Reinforced Concrete II	3
4 188	Steel Structures	3
5 204	Reinforced Concrete III	3
5 206	Foundation Engineering	3
4 400	Introduction to Graduation Project	1
4 401	Graduation Project	3
4 199	Field Training I	0
4 200	Field Training II	0
5 207	Work Shop Drawing	3

Program Elective Requirements

Course Nr.	Course name	Weight in Credit Hours
5 165	Steel Structures 2	3
5 166	Professional Ethics & Laws	3
5 205	Computer Aided Design	3
5 208	Building	3
4 629	Geographic Information Sys. & Digital Mapping	3
4 310	Hydrology	3
4 584	Highway Engineering	3
4 827	Environmental Engineering	3
5 209	Applied Structures	3
4 196	Road Design	3
5 435	Pavement Design	3
5 215	City Planning	3