

**Bachelor of Science in Civil Engineering  
Study Plan (Fall Start)**

**Total Credit hours: 142**

**First Year (Freshman)**

Semester 1

Code	Title	Cr.	Prerequisite	Co-Req.
ARL 100	Communication Skills in Arabic I	3	Nil	nil
STT 100	General Statistics	3	Nil	nil
MTT 102	Calculus I	3	Math Placement Test or MTT 101	nil
ENG 100	English I	3	TOEFL 500	nil
UNS 100	University Study Skills	3	Nil	nil
ISL 100	Islamic Culture	3	Nil	nil

**Total Credit Hours 18**

Semester 2

Code	Title	Cr.	Prerequisite	Co-Req.
ENG 105	English II	3	ENG 100 + UNS 100	nil
CIV 102	Computer Aided Drawing	3	nil	nil
SOC 201	UAE and GCC Society	3	nil	nil
MTT 200	Calculus II	3	MTT 102	nil
PHY 102	Physics and Engineering Applications I	3	MTT 102	nil
PHY 102L	Physics and Engineering Applications I Lab	1	MTT 102	PHY 102
CIV 104	Introduction to Civil Engineering	3	MTT 102	ENG 105

**Total Credit Hours 19**

**Second Year (Sophomore)**

Semester 3

Code	Title	Cr.	Prerequisite	Co-Req.
CIV 205	Introduction to Geomatics	3	MTT 102, STT 100, CIV104	nil
PHY 201	Physics and Engineering Applications II	3	PHY 102	nil
PHY 201L	Physics and Engineering Applications II Lab	1	PHY 102	PHY 201
CIV 201	Statics	3	PHY 102	nil
MTT 201	Calculus III	3	MTT 200	nil
CHE 201	Chemistry	3	ENG 105	nil
CHE 201L	Chemistry Lab	1	ENG 105	CHE 201

**Total Credit Hours 17**

Semester 4

Code	Title	Cr.	Prerequisite	Co-Req.
GOL 205	Physical Geology	3	ENG 105	nil
MTT 204	Introduction to Linear Algebra	3	MTT 200	nil
CIV 206	Mechanics of Materials	3	CIV 201	nil
ENG 201	Bus. And Tech. Communication	3	ENG 105	nil
GEN 200	Engineering Economy	3	ENG 105, MTT102	nil
MTT 205	Differential Equations	3	MTT 200	nil

**Total Credit Hours 18**

**Third Year (Junior)**

Semester 5

Code	Title	Cr.	Prerequisite	Co-Req.
CIV 314	Structural Analysis	3	CIV 206	nil
CIV 242	Fluid Mechanics	3	CIV 201, MTT 200	
CIV 242L	Fluid Mechanics Lab	1		CIV 242
CIV 313	Construction Materials	3	CIV 206, CHE 201	
CIV 313L	Construction Materials Lab	1		CIV 313
CIV 362	Construction Management	3	ENG 105	
CIV 401	Numerical Methods	3	MTT 204, MTT 205	nil

**Total Credit Hours 17**

Summer Semester

Code	Title	Cr.	Prerequisite
CIV 399	Internship	3	Completion of 105 credit Hours

**Fourth Year (Senior)**

Semester 7

Code	Title	Cr.	Prerequisite	Co-Req.
CIV 413	Structural Steel Design	3	CIV 314	nil
CIV 497	Civil Engineering Project I	2	Senior Status	nil
CIV 421	Foundation Engineering	3	CIV 324	nil
CIV 331	Highway Engineering	3	CIV 205	
CIV 442	Hydrology and Urban Water Systems	3	CIV 343	
ME 1	Major Elective I	3		nil

**Total Credit Hours 17**

Semester 8

Code	Title	Cr.	Prerequisite	Co-Req.
PSY 201	General Psychology	3	nil	nil
CIV 498	Civil Engineering Project II	2	CIV 497	nil
ME 2	Major Elective 2	3		nil
CIV 402	Engineering Ethics	3	Senior Status	nil
OE	Open Elective	3		

**Total Credit Hours 14**