

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
MTT102	Calculus I	3	C grade in MTT 101 or MPT	nil
UNS 102	University Study Skills	1	Nil	nil
ISL 100	Islamic Culture	3	Nil	nil
PSY 201	General Psychology	3	ENG 100	UNS 102

Total Credit Hours 16

Semester 2

Code	Title	Cr.	Prerequisite	Co-Req.
ENG 200	English II	3	*EPSS / ENG100 (C grade)	UNS102
CIV 102	Computer Aided Drawing	3	nil	nil
SOC 201	UAE and GCC Society	3	ENG 100	UNS102
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 200

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	1	PHY 102	PHY 201
CIV 201	Statics	3	PHY 102	nil
MTT 201	Calculus III	3	MTT 200	nil
CHE 205	Chemistry	3	ENG 200	nil
CHE 201L	Chemistry Lab	1	ENG 200	CHE 205
CRT 301	Critical Thinking	2	UNS 102 + ENG 200	nil

Total Credit Hours 19

Semester 4

Code	Title	Cr.	Prerequisite	Co-Req.
GOL 205	Physical Geology	3	ENG 200	nil
ENG 305	Technical Communications for Eng.& Science	3	ENG 200	nil
CIV 206	Mechanics of Materials	3	CIV 201	nil
GEN 200	Engineering Economy	3	ENG 200, MTT102	nil
MTT 204	Introduction to Linear Algebra	3	MTT 200	nil
MTT 205	Differential Equations	3	MTT 200	MTT 204

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	nil
CIV 242L	Fluid Mechanics Lab	1		CIV 242
CIV 313	Construction Materials	3	CIV 206, CHE 205	nil
CIV 313L	Construction Materials Lab	1		CIV 313
CIV 362	Construction Management	3	ENG 200	nil
CIV 401	Numerical Methods	3	MTT 204	MTT205

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	1	Senior Status	nil
CIV 421	Foundation Engineering	3	CIV 324	nil
CIV 331	Highway Engineering	3	CIV 205	nil
CIV 442	Hydrology and Urban Water Systems	3	CIV 343	nil
ME 1	Major Elective 1	3		nil

Total Credit Hours 16

Semester 8

Code	Title	Cr.	Prerequisite	Co-Req.
INE 300	Fundamentals of Innovation & Entrep.	3	ENG200 + Completion of 60 chrs	
CIV 498	Civil Engineering Project II	3	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 15

*Note: English Proficiency Specified Score: Score of 1250+ & B2 (CEFR) in Writing Component for EmSat or/ 5.5 overall average & 5.5 specific score in Writing Component for IELTS, equivalent in other English Proficiency Test