

Bachelor of Science in Civil Engineering

Study Plan (Fall Start)

First Year (Freshman)

Total Credit hours: 142

Semester 1

Code	Title	Cr.	Prerequisite	Co-Req.
ARL 101(A)	Communication Skills in Arabic	3	Nil	nil
STT 100	General Statistics	3	Nil	nil
ENG 200	English II	3	IELTS average score of 6 or EMSAT average score of 1400 or passing grade in ENG 102	(USS001 as co-req if placed in ENG200)
MTT102	Calculus 1	3	Math Placement Test or MTT101 (C grade)	nil
ISL 100(A)	Islamic Culture	3	Nil	nil
CIV 104	Introduction to Civil Engineering	3	Nil	nil
Total Credit Hours		18		

Semester 2

Code	Title	Cr.	Prerequisite	Co-Req.
COE 101	Introductory Artificial Intelligence	3	STT100	
CIV 102	Computer Aided Drawing	3	nil	nil
FWS 205	UAE and GCC Society	3	ENG102(P)+ USS001 as pre-requisite USS001 as (Co) if placed in ENG200	
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	1	MTT 102	PHY102
COE 102	Introductory Big Data Analytics	3	STT100	nil
Total Credit Hours		19		

Semester 3

Second Year (Sophomore)

Code	Title	Cr.	Prerequisite	Co-Req.
CSC 201	Computer Programming I	3	MTT 101 or higher	nil
PHY 201	Physics and Engineering Applications	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 3	3	MTT 200	nil
CHE 205	General Chemistry I	3		ENG102 / ENG 200
CHE 201L	Chemistry Lab	1		CHE 205
Total Credit Hours		17		

Summer Semester

Code	Title	Cr.	Prerequisite
CIV 398i	Internship in Civil Engineering 1	1.5	Completion of 60 credit Hours

Semester 5

Third Year (Junior)

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 205	
CIV 313L	Construction Materials Lab	1		CIV 313
CIV 362	Construction Management	3	ENG 200	
GEN 300	Numerical Methods	3	CSC201, MTT 205	
Total Credit Hours		17		

Summer Semester

Code	Title	Cr.	Prerequisite
CIV 399i	Internship in Civil Engineering 2	1.5	Completion of 105 credit Hours

Semester 7

Fourth Year (Senior)

Code	Title	Cr.	Prerequisite	Co-Req.
CIV 413	Structural Steel Design	3	CIV 314	nil
CIV 497	Capstone Design Project I	1	103 credits + CIV316, CIV318, CIV324, CIV332, CIV352 and CIV343	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 1	3		nil
Total Credit Hours		16		

Semester 8

Code	Title	Cr.	Prerequisite	Co-Req.
FWS 310	Fund. of Innovation & Entrepreneurship	3	ENG200 +Completion of min 60CH	
CIV 498	Capstone Design Project II	3	CIV 497	nil
COE202	Engineering Ethics, Economy and Law	3	ENG200, MTT102	nil
ME 2	Major Elective 2	3		nil
OE	Open Elective	3	OE	
Total Credit Hours		15		