

**Bachelor of Science in Civil Engineering
Study Plan**

Total Credit Hours **147**

First Year (Freshman)

Semester I (FALL)

Code	Title	Credit	Prerequisite(s)
ARL 100 (A)	Communication Skills in Arabic I	3	No Prerequisite
ENG 100	English I	3	No Prerequisite
ISL 100 (A)	Islamic Culture	3	No Prerequisite
ITE 100	Introduction to Information Technology Applications	3	No Prerequisite
MTT 101	Mathematics for Science and Technology	3	MTG 100/Math Placement Test
UNS 100	University Study Skills	3	No Prerequisite
<i>Total Credit Hours</i>		18	

Semester II (SPRING)

Code	Title	Credit	Prerequisite(s)
ARL 105 (A)	Communication Skills in Arabic II	3	ARL 100 (A)
ENG 105	English II	3	ENG 100 + UNS 100
NSC 201	Natural Sciences	3	No Prerequisite
PSY 201	General Psychology	3	No Prerequisite
SOC 201	UAE and GCC Society	3	No Prerequisite
STT 100	General Statistics	3	No Prerequisite
<i>Total Credit Hours</i>		18	

Second Year (Sophomore)

Semester III (FALL)

Code	Title	Credit	Prerequisite(s)
CIV 200	Introduction to Civil Engineering	3	ENG 105
CMT 200	Introduction to Construction Management	3	ENG 105
ECO 201	Microeconomics Analysis and Applications	3	ENG 105
MTT 102	Calculus I	3	MTT 101
PHI 300	Professional Ethics	3	ENG 105
OE1	Open Elective I	3	-
<i>Total Credit Hours</i>		18	

Semester IV (SPRING)

Code	Title	Credit	Prerequisite(s)
CHE 201	Chemistry	3	ENG 105
CIV 214	Engineering Mechanics – Statics	3	MTT 102
ENG 201	Business and Technical Communications	3	ENG 105
MTT 200	Calculus II	3	MTT 102
PHY 102	Physics and Engineering Applications I	3	MTT 102
CHE 201L	Chemistry Laboratory	1	ENG 105 + CHE 201 (Co)
PHY 102L	Physics and Engineering Applications I Laboratory	1	MTT 102 + PHY 102 (Co)
<i>Total Credit Hours</i>		17	

Third Year (Junior)

Semester V (FALL)

Code	Title	Credit	Prerequisite(s)
CIV 301	Civil Engineering Measurements and Surveying	3	No Prerequisite
CIV 310	Mechanics of Materials	3	CIV 214
CIV 302	Computer Applications in Engineering and Construction	3	MTT 200
MTT 201	Calculus III	3	MTT 200
PHY 201	Physics and Engineering Applications II	3	PHY 102
PHY 201L	Physics and Engineering Applications II Laboratory	1	PHY 102 + PHY 201 (Co)
<i>Total Credit Hours</i>		16	

Semester VI (SPRING)

Code	Title	Credit	Prerequisite(s)
CIV 303	Fundamentals of Transportation Engineering	3	MTT 200
CIV 320	Structural Analysis	3	CIV 310
CIV 321	Materials of Construction	3	MTT 200 + CHE 201
CIV 323	Engineering Behavior of Soils and Foundations	3	CIV 310 + CHE 201
MTT 204	Introduction to Linear Algebra	3	MTT 102
OE2	Open Elective II	3	-
<i>Total Credit Hours</i>		18	

Summer Semester

Code	Title	Credit	Prerequisite(s)
CIV 399	Internship in Civil Engineering	3	90 Credit Hours

Fourth Year (Senior)

Semester VII (FALL)

Code	Title	Credit	Prerequisite(s)
CIV 316	Structural Systems	3	CIV 314
CIV 311	Hydraulics	3	CIV 214
CIV 322	Reinforced Concrete Design	3	CIV 320 + CIV 321
CIV 340	Fundamentals of Environmental Engineering	3	CHE 201
CIV 412	Structural Steel Design	3	CIV 320
TECH1	Technical Elective I	3	-
<i>Total Credit Hours</i>		18	

Semester VIII (SPRING)

Code	Title	Credit	Prerequisite(s)
CIV 325	Sustainability in the Built Environment	3	CMT 200
CIV 441	Engineering Ethics	3	Senior Level
DES1	Design Elective I	3	-
OE3	Open Elective III	3	-
TECH2	Technical Elective II	3	-
TECH3	Technical Elective III	3	-
<i>Total Credit Hours</i>		18	

Summer Semester

Code	Title	Credit	Prerequisite(s)
CIV 415	Civil Engineering Project (Capstone)	3	CIV 303 + CIV 322 + CIV 323 + CIV 325 + CIV 340 + CIV 341 + CIV 412