

Four Years Curriculum (Total: 139 credits)

Year One

First Semester

Course Code	Course Title	Credit
CHEM 100	Introduction to Chemistry I	3
ISLM 101	Islamic Cultural Studies	3
ENGL 101	English Communication Skills I	3
MATH 112	Introduction to Calculus I	3
PHYS 100	Introduction to Physics I	3

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Second Semester

Course Code	Course Title	Credit
CHEM 102	Introduction to Chemistry II	3
CSIS 206	Principles of Programming	3
ENGL 102	English Communication Skills II	3
GENG 101	Introduction to the Engineering Discipline	1
LISP 200	Library Use and Research methods	1
MATH 113	Introduction to Calculus II	3
CIVE 203	Drawing I	1
PHYS 102	Introduction to Physics II	3

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Year Two

Third Semester

Course Code	Course Title	Credit
CIVE 201	Statics	3
CIVE 212	Introduction to Environmental Engineering	3
CIVE 318	Environmental Engineering Modeling	1
ENGL 203	English Communication Skills III	3
MATH 200	Calculus	3
MATH 211	Applied Linear Algebra	3
MECH 222	Science of Materials	3

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Fourth Semester

Course Code	Course Title	Credit
CIVE 202	Mechanics of Materials	3
MECH233	Workshop Technology	1
CIVE 204	Construction Materials & Methods	3
SOCL 201	UAE Studies	3
ENGL 204	Language, Society and Culture	3
MATH 270 OR MATH 230	Applied Differential Equations OR Numerical Analysis I	3
MECH221	Engineering Dynamics	3

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Year Three

Fifth Semester

Course Code	Course Title	Credit
CIVE 205	Theory of Structures I	3

CIVE 206	Drawing II (Auto Cad)	1
CIVE 208	Surveying	2
CIVE 214	Surveying Laboratory	1
CIVE 317	Engineering Geology	3
ENTR 201	Entrepreneurship and Innovation	3
MATH 240	Probability and Statistics	3

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Sixth Semester

Course Code	Course Title	Credit
CIVE209	Reinforced Concrete I	3
CIVE 210	Strength of Materials Laboratory	1
CIVE 243	Fluid Mechanics Laboratory	1
CIVE 301	Soil Mechanics	3
CIVE 306	Soil Lab	1
CIVE 309	Engineering Economy	3
CIVE 322	Technical Platform Computing for Civil Engineers	2
MECH 243	Fluid Mechanics	3

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Summer 3rd year

Course Code	Course Title	Credit
GENG380	Field Training	0

Year Four

Seventh Semester

Course Code	Course Title	Credit
CIVE 303	Computer Aided Design	1
CIVE 304	Reinforced Concrete II	3
CIVE 308	Transportation Engineering	3
CIVE 312	Construction Management Fundamentals	2
CIVE 316	Construction Management Modeling	1
CIVE 319	Revit for Civil Engineers	2
CIVE 323	Introduction to Geographic Information Systems (GIS)	2
CIVE 324	Structural Steel Design	2
GENG 390	Fundamentals of Engineering Project Design	2

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Eighth Semester

Course Code	Course Title	Credit
CIVE 305	HVAC	3
CIVE 307	Foundation Design	3
CIVE 311	Sanitary Engineering	3
CIVE 313	Transportation Engineering Modeling	1
CIVE 315	Geotechnical Engineering Modeling	1
CIVE 320	Structural Detailing	2
CIVE 321	Advanced Computer Aided Design	2
GENG 391	Capstone Design Project	2

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