

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
Level 1	ENG101	Intensive English Program (1)	Required	-	6	Institution
	IC101	Islamic Culture (1)	Required	-	2	Institution
	CS101	Computer Skills	Required	-	2	Institution
	ARAB101	Arabic Language Skills	Required	-	2	Institution
	PHY101	General Physics	Required	-	4	Institution
Level 2	ENG102	Intensive English Program (2)	Required	ENG101	6	Institution
	CL101	Communication Skills	Required	-	2	Institution
	PSY101	Thinking & Learning Skills	Required	-	2	Institution
	CHM101	General Chemistry	Required	-	4	Institution
	MATH101	Mathematics (1)	Required	-	3	Institution
Level 3	MATH211	Algebra and Analytical Geometry	Required		3	College
	MATH212	Differentiation and Integration (1)	Required	MATH101	3	College
	PHYS211	Advanced Physics	Required	PHYS101	3	College
	GE211	Engineering Drawing	Required		2	College
	ARAB201	Arabic Writing	Required		2	Institution
	IC102	Islamic Culture (2)	Required		2	Institution
	GE212	Introduction to Engineering	Required	-		College
Level 4	IC103	Islamic Culture (3)	Required		2	Institution
	MDS201	Health & Fitness	Required		2	Institution

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		University Elective Course	Elective		2	Institution
	MATH221	Differentiation and Integration (2)	Required	MATH212	3	College
	GE221	Engineering Mechanics	Required		3	College
	CE221	CADD	Required	GE211	2	Program
	CE222	Geology for Civil Engineers	Required		3	Program
Level 5	IC104	Islamic Culture (4)	Required		2	Institution
	TBA	University Free Course	Elective		2	Institution
	BUA301	Entrepreneurship	Required		2	Institution
	MATH311	Differential Equations	Required	MATH221	3	College
	IE311	Engineering Statistics	Required	MATH221	3	College
	GE311	Computer Programming	Required	MATH211, MATH221	2	College
	CE311	Mechanics of Materials	Required	GE221	3	Program
Level 6	MATH321	Numerical Analysis	Required	MATH311	3	College
	CE322	Surveying	Required	MATH211	4	Program
	GE321	Technical Report Writing	Required	ENG102	1	College
	CE324	Civil Engineering Materials	Required	CE311	3	Program
	CE325	Structural Analysis -1	Required	CE311	3	Program
	CE326	Fluid Mechanics	Required	GE221	3	Program
	BUA212	Volunteer Work	Required		1	College
Level 7	CE411	Soil Mechanics	Required	CE324	3	Program
	CE412	Structural Analysis -2	Required	CE325	3	Program
	CE413	Concrete Technology	Required	CE324	2	Program
	CE414	Hydraulics	Required	CE326	3	Program
	CE415	Highways and Transportation Engineering -1	Required	CE324, CE322	3	Program
	CE416	Reinforced Concrete Design -1	Required	CE325	3	Program
Level 8	CE421	Foundation Engineering	Required	CE411	3	Program
	CE422	Hydrology	Required	CE414	3	Program
	CE423	Highways and Transportation Engineering-2	Required	CE415	3	Program
	CE424	Reinforced Concrete Design -2	Required	CE416	3	Program
	CE425	Dams and Irrigation Engineering	Required	CE414	3	Program
	IE413	Engineering Economics	Required		2	College
Level 9	IE425	Engineering Project Management	Required	IE413	2	College
	CE511	Environmental Engineering	Required	CHM101	3	Program

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	CE512	Steel Structures Design	Required	CE412	3	Program
		Elective Course-1*	Required		3	Program
	CE514	Project-1	Required		1	Program
	CE515	Computer-Aided Design	Required	CE411, CE412	2	Program
Level 10	CE521	Water supply and sewerage systems	Required	CE511		Program
	CE522	Quantity surveying and Cost Estimation	Required	IE425		Program
		Elective Course-2**	Required			Program
	CE524	Project-2	Required	CE514		Program

List of Elective Courses:

1- University Elective Course:

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
Level 4	EDU210	Youth and the Value of Citizenship	Elective	-	2	Institution
	HIS201	History of the Kingdom	Elective	-	2	Institution

2- Elective Courses -1, and -2:

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours	Type of requirements (Institution, College, or Program)
Level 9	Elective Course -1					
	CE513	Traffic Engineering and Planning	Elective	CE 423	3	Program
	CE516	Assessment and Repair of Concrete Structures	Elective	CE 413	3	Program
	CE517	Advanced Soil Mechanics	Elective	CE 411	3	Program
	CE518	Ground Water Engineering	Elective	CE 422	3	Program
Level 10	Elective Course -2					
	CE523	Advanced environmental engineering	Elective	CE 511	3	Program
	CE525	Introduction to Earthquake Engineering	Elective	CE 424	3	Program
	CE526	Advanced Structural Analysis	Elective	CE 412	3	Program
	CE527	GIS and Remote Sensing	Elective	CE 511	3	Program