



Civil Engineering Undergraduate Program [Required Credit Hours = 136]

General Education  
17 Credit Hours

Mathematics & Basic Science  
33 Credit Hours

General Engineering  
17 Credit Hours

Core Courses & Technical Electives  
69 Credit Hours

FIRST YEAR (Freshman)		SECOND YEAR (Sophomore)		THIRD YEAR (Junior)		SUMMER SEMESTER	FOURTH YEAR (Senior)	
FIRST	SECOND	FIRST	SECOND	FIRST	SECOND		FIRST	SECOND
<p><b>QUR 100 [2]</b> Quran Kareem</p> <p><b>CHEM 103 [4]</b> General Chemistry</p> <p><b>MATH 105 [4]</b> Calculus I</p> <p><b>PH 117 [3]</b> Physics I</p> <p><b>PH 119 [1]</b> Physics I Lab CO: PH 117</p> <p><b>GE 103 [3]</b> Engineering Graphics and Design</p>	<p><b>QUR 150 [2]</b> Quran Kareem</p> <p><b>ENG 201 [3]</b> Technical English Writing</p> <p><b>MATH 106 [4]</b> Calculus II PRE: MATH105</p> <p><b>PH 118 [3]</b> Physics II PRE: PH 117, PH 119</p> <p><b>PH 120 [1]</b> Physics II Lab PRE: PH 117, PH 119 CO: PH 118</p> <p><b>CS 107 [3]</b> Computer Programming PRE: MATH105</p>	<p><b>ART 102 [2]</b> Arabic Composition</p> <p><b>MATH 235 [3]</b> Differential Equations PRE: MATH106</p> <p><b>STA 215 [3]</b> Probability and Statistics in Eng. PRE: MATH106</p> <p><b>GE 201 [3]</b> Statics PRE: MATH106, PH 118, PH 120</p> <p><b>CE 210 [2]</b> Civil Engineering Materials CO: STA 215</p> <p><b>CE 213 [1]</b> Civil Engineering Materials Lab PRE: ENG 201, CO: CE210</p> <p><b>CE 221 [3]</b> Engineering Surveying PRE: GE103, CS107</p>	<p><b>QUR 200 [2]</b> Quran Kareem</p> <p><b>MATH 226 [3]</b> Linear Algebra PRE: MATH106</p> <p><b>GE 202 [3]</b> Dynamics PRE: GE201</p> <p><b>CE 211 [3]</b> Solid Mechanics PRE: MATH235, GE103, GE201, CE210</p> <p><b>CE 231 [3]</b> Fundamentals of Environmental Eng PRE: CHEM103, CO: CE241</p> <p><b>CE 241 [3]</b> Fluid Mechanics PRE: GE201, MATH235</p>	<p><b>QUR 250 [2]</b> Quran Kareem</p> <p><b>MATH 345 [4]</b> Numerical Methods PRE: MATH226, MATH235, CS107</p> <p><b>CE 311 [4]</b> Structural Engineering PRE: MATH226, GE202, CE211</p> <p><b>CE 321 [3]</b> Transportation Eng PRE: CE210, CE221</p> <p><b>CE 322 [1]</b> Transportation Engineering Lab CO: CE321</p> <p><b>CE 351 [3]</b> Geotechnical Engineering PRE: CE211, CE241</p> <p><b>CE 352 [1]</b> Geotechnical Engineering Lab CO: CE351</p>	<p><b>IDE 133 [2]</b> Tawheed (Monotheism)</p> <p><b>GE 303 [3]</b> Engineering Economy PRE: MATH106</p> <p><b>CE 310 [2]</b> Concrete Properties PRE: CE213, CO: CE313</p> <p><b>CE 313 [3]</b> Reinforced Concrete Design PRE: MATH345, CE311 CO: CE310</p> <p><b>CE 331 [3]</b> Environmental Engineering Processes PRE: CE231, CE241</p> <p><b>CE 332 [1]</b> Environmental Engineering Lab CO: CE331</p> <p><b>CE 340 [3]</b> Water Resources Engineering PRE: STA 215, CE241</p> <p><b>CE 344 [1]</b> Water Resources Engineering Lab CO: CE340</p>	<p>GE 399 Engineering Training [0] (Pre-requisite: 90 credits)</p>	<p><b>HST 102 [2]</b> History of KSA</p> <p><b>CE 411 [3]</b> Steel Structures PRE: CE311</p> <p><b>CE 421 [3]</b> Transportation Facility Design PRE: CE321, CE322</p> <p><b>CE 451 [3]</b> Foundation Eng. PRE: CE313, CE351, CE352</p> <p><b>CE 461 [3]</b> Construction Eng. &amp; Management PRE: GE303, MATH345</p> <p><b>CE 491 [1]</b> Graduation Project I PRE: CE313, CE321, CE331, CE340, CE351</p> <p><b>CE 4** [3]</b> Technical Elective I</p>	<p><b>GE 302 [2]</b> Professional Ethics for Engineers</p> <p><b>CE 422 [2]</b> Civil Engineering Systems PRE: CE461</p> <p><b>CE 462 [2]</b> Construction Contracts &amp; Specs. PRE: CE461</p> <p><b>CE 492 [3]</b> Graduation Project II PRE: CE491</p> <p><b>CE 4** [3]</b> Technical Elective II</p> <p><b>CE 4** [3]</b> Technical Elective III</p>
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No. of Courses / Credits each Semester: