

## Typical sequence for a B.Sc. degree in Civil Engineering

### Academic Year 2017-2018

	Fall		Spring	
<b>Year 1</b>	<b>ENGL 111</b> Academic Communication I	4 cr	<b>ENGL 112</b> Academic Communication II	4 cr
	<b>MATH 111</b> Calculus I	4 cr	<b>MATH 112</b> Calculus II	4 cr
	<b>CHEM 115</b> General Chemistry I	4 cr	<b>PHYS 121</b> University Physics I	4 cr
	<b>ENGR 111</b> Engineering Design	4 cr	<b>ENGR 113</b> Introduction to Computing with Matlab	4 cr
<b>Summer</b>				
<b>Year 2</b>	<b>MATH 204</b> Linear Algebra	3 cr	<b>MATH 242</b> Intro to Probability & Statistics	3 cr
	<b>MATH 231</b> Calculus III	3 cr	<b>MATH 206</b> Differential Equations	3 cr
	<b>PHYS 122</b> University Physics II	4 cr	<b>CIVE 201</b> Engineering Dynamics	3 cr
	<b>CIVE 200</b> Statics	3 cr	<b>CIVE 225</b> Mechanics of Solids	4 cr
	<b>CIVE 180</b> Engineering Graphics and Visualization	3 cr	<b>CIVE 310</b> Geomatics	3 cr
<b>Summer</b>				
<b>Year 3</b>	<b>CIVE 370</b> Introduction to Environmental Engineering	4 cr	<b>CIVE 335</b> Fluid Mechanics	4 cr
	<b>CIVE 332</b> Fundamentals of Construction Engineering and Management	3 cr	<b>CIVE 341</b> Design of Steel Structures	3 cr
	<b>CIVE 336</b> Civil Engineering Materials	4 cr	<b>ENGR 311</b> Innovation & Entrepreneurship in Engineering Design	4 cr
	<b>CIVE 340</b> Behavior & Analysis of Structures	3 cr	<b>CIVE 380</b> Transportation Engineering	3 cr
	Science Elective	3 cr	<b>CIVE 338</b> Geotechnical Engineering	4 cr
<b>Summer</b>	<b>ENGR 399</b> Engineering Internship			1 cr
<b>Year 4</b>	<b>CIVE 497</b> Senior Design Project I	3 cr	<b>CIVE 498</b> Senior Design Project II	3 cr
	<b>BUSS XXX</b> Business Elective	3 cr	<b>BUSS XXX</b> Business Elective	3 cr
	<b>HUMA XXX</b> Humanities and Social Sciences*	3 cr	Technical Elective	3 cr
	Technical Elective	3 cr	<b>CIVE 442</b> Design of Concrete Structures	3 cr
	<b>CIVE 470</b> Foundation Engineering	4 cr	<b>HUMA XXX</b> Humanities and Social Sciences*	3 cr
	<b>HUMA XXX</b> Humanities and Social Sciences*	3 cr	Free Elective	3 cr
<b>Total Credits</b>				<b>137</b>

*\*At least one Islamic Studies course has to be taken from Humanities Electives to meet graduation requirements.*