



**Sultan Qaboos University**  
**Academic degree and Degree Plan of Postgraduate Studies Programs**

<b>College</b>	Engineering		
<b>Department</b>	Civil and Architectural Engineering		
<b>Degree Name</b>	Master of Science	<b>Degree</b>	M.Sc.
<b>Program / Major</b>	Civil Engineering	<b>Cohort</b>	2018-2021
<b>Specialization</b>		<b>Study Mode</b>	<input type="checkbox"/> Full time <input type="checkbox"/> Part time <input checked="" type="checkbox"/> Both

<b>Credit Required</b>	30		
<b>Core Courses</b>	<b>Elective Courses</b>	<b>Thesis</b>	
9	15	6	


Program Option		
<input checked="" type="checkbox"/> Courses and thesis	<input type="checkbox"/> Thesis Only	<input type="checkbox"/> Courses Only
<input type="checkbox"/> Courses & Examination		

Core Courses		
Course Code	Course Title	Credits
CIVL 6110	Advanced Concrete Structures	3
CIVL 6150	Finite Element Method	3
CIVL 6160	Advanced Steel Design	3
<b>Total</b>		9

Elective Courses		
Course Code	Course Title	Credits
CIVL 6100	Special Topics in Structural Engineering	3
CIVL 6120	Bridge Structures	3
CIVL 6130	Structural Reliability	3
CIVL 6135	Advanced Concrete Technology	3
CIVL 6140	Theory of Plates and Shells	3
CIVL 6165	Rehabilitation of Structures	3
CIVL 6170	Structural Dynamics	3
CIVL 6180	Numerical Methods in Structural Engineering	3
CIVL 6190	Seismic Design of Buildings	3
CIVL 6195	Advanced Mechanics of Materials	3

CIVL 6380	Geoenvironmental Engineering	3
CIVL 6510	Advanced Traffic Engineering	3
CIVL 6520	Structural Design of Pavements	3
CIVL 6530	Pavement Management Systems	3
CIVL 6540	Highway Transportation Planning	3
CIVL 6550	Stabilization of Soil-Aggregate Systems	3
CIVL 6560	Bituminous Materials	3
CIVL 6570	Advanced Highway Geometric Design	3
CIVL 6580	Airport Engineering	3
CIVL 6500	Special Topics in Transportation Engineering	3
CIVL 6310	Advanced Soil Mechanics	3
CIVL 6320	Advanced Foundation Engineering	3
CIVL 6330	Earth Slopes and Embankments	3
CIVL 6340	Difficult Soils and Ground Improvement	3
CIVL 6350	Expansive Soils	3
CIVL 6360	Soil Dynamics	3
CIVL 6370	Retaining Structures	3
CIVL 6300	Special Topics in Geotechnical Engineering	3
CIVL 6715	Chemistry & Microbiology of Water & Wastewater	3
CIVL 6725	Physical-Chemical Treatment Processes	3
CIVL 6750	Air Pollution Engineering	3
CIVL 6760	Solid Waste Management	3
CIVL 6925	Groundwater Hydraulics	3
ENGR 6911	Advanced Engineering Management	3
ENGR6910 <b>or</b> ENGR6913	Advanced Engineering Probability & Statistics Advanced Engineering Mathematics	3 3
<b>Total</b>		15

<b>Thesis</b>		
Course Code	Course Title	Credits
CIVL 7003	Research Thesis	6
<b>Total</b>		6

<b>Approval and Signatures</b>		
<b>Program Coordinator:</b>	<b>Head Of Department:</b>	<b>Assistant Dean for Postgraduate Studies and Research:</b>
		

**Note: - New courses can be added.**

**- Please seal all pages when adding new pages.**