



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

College	Engineering		
Department	Civil and Architectural Engineering		
Degree Name	Master of Science	Degree	M.Sc.
Program / Major	Civil Engineering	Cohort	2017-2020
Specialization		Study Mode	Full-time & Part-time

Credit Required	24		
Core Courses	Elective Courses	Thesis	
9	15	0	

Program Option		
<input type="checkbox"/> PhD Thesis	<input type="checkbox"/> Courses Only	
<input type="checkbox"/> Master Thesis	<input checked="" type="checkbox"/> Courses and Thesis	<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
CIVL 7000	Research Project	0
Total		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	Prestressed Concrete	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 and Microbiology of Water and 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	Advanced Engineering Probability & Statistics	3
<u>or</u> ENGR6913	Advanced Engineering Mathematics	3
Total		15

- Note: New courses can be added.

Signature:

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