

# BS in Civil Engineering

## Civil Engineering Major Requirements

J C ENGR 2160	Surveying	3
J C ENGR 3410	Structural Analysis	3
J C ENGR 3420	Structural Design	3
<del>J C ENGR 3520</del>	<del>Water and Wastewater Treatment<sup>1</sup></del>	<del>3</del>
J C ENGR 3360	Civil Engineering Materials Lab	1
J C ENGR 3460	Transportation Engineering	3
J C ENGR 3760	Hydraulic Engineering	3
J C ENGR 4190	Soil Mechanics	3
J C ENGR 4200	Soil Exploration And Testing	1
<del>J C ENGR 4720</del>	<del>Legal Aspects Of Construction</del>	<del>3</del>
J C ENGR 4600	Highway and Traffic Engineering	3
J C ENGR 4640	Foundation Engineering	3
J C ENGR 4670	Structure Design Projects	3
or J C ENGR 4910	Water Hydrology and Hydraulic Design Project	
<del>J C ENGR 4820</del>	<del>Design of Water Quality Control Facilities<sup>1</sup></del>	
<del>J C ENGR 4840</del>	<del>Probabilistic Methods in Civil Engineering Design<sup>1</sup></del>	
J C ENGR 4950	Fundamentals Of Engineering Review	1
J C ENGR 4990	Senior Civil Engineering Seminar	1
J M ENGR 1413	Introduction To Engineering Design: CAD	2
J M ENGR 2410	Mechanics Of Deformable Bodies	3
J M ENGR 3360	Material Science For J C ENGR	3
J M ENGR 3700	Fluid Mechanics	3
J M ENGR 3721	Fluid Mechanics Laboratory	1
MATH 1320	Applied Statistics I	3

Civil Engineering Electives		3
<del>J-M ENGR 3200</del>	<del>Thermodynamics</del>	<del>3</del>
<del>J-E ENGR 2300</del>	<del>Introduction To Electrical Networks</del>	<del>3</del>
<del>J-C ENGR 3460</del>	<del>Transportation Engineering</del>	<del>3</del>
<del>J-C ENGR 4600</del>	<del>Highway and Traffic Engineering</del>	<del>3</del>
<del>J-C ENGR 4640</del>	<del>Foundation Engineering</del>	<del>3</del>

<sup>‡</sup> ~~This course will not be offered in 2014-2015. Contact department for more information.~~

Sign-offs from other departments affected by this proposal

None

Rationale

The JME 3200 or JEE2300 requirement was eliminated because the qualifying FE exam for civil engineering deleted this material and was approved by the engineering faculty. The other changes eliminated courses not taught and added courses that are taught.