

BACHELOR OF ENGINEERING (HONORS) (CIVIL ENGINEERING)

Year 1 (Common to all Engineering Discipline)					
SEMESTER 1			SEMESTER 2		
Unit Code	Unit Name	CP	Unit Code	Unit Name	CP
COM 502	Engineering Communication and Practices	15	EEB501	Introduction to Electrical and Electronics Engineering	15
MEB 502	Engineering Materials	15	CSC 501	C++ Programming for Engineers	15
CEB 503	Computer Aided Drafting and Modelling	15	MEB 503	Engineering Mechanics	15
MTH 517	Mathematics for Engineers I	15	MTH 518	Mathematics for Engineers II	15
Total CP		60	Total CP		60
Year 2					
SEMESTER 1			SEMESTER 2		
Unit Code	Unit Name	CP	Unit Code	Unit Name	CP
MTH 618	Mathematics for Engineers III	15	CEB 605	Civil Engineering Technology	15
CEB 601	Fluid Mechanics and Hydraulics	15	CEB 606	Geology and Geomechanics	15
CEB 604	Structural Analysis I	15	CEB 607	Design and Analysis of Timber and Steel Structures	15
CEB 602	Engineering Surveying	15	PEB 601	Design Project I	15
Total CP		60	Total CP		60
Year 3					
SEMESTER 1			SEMESTER 2		
Unit Code	Unit Name	CP	Unit Code	Unit Name	CP
CEB 701	Structural Analysis II	15	CEB 705	Highway Engineering and Design	15
CEB 702	Geotechnical Engineering	15	CEB 706	Design of Reinforced and Pre-cast Concrete Structures	15
CEB 703	Water Resources Engineering	15	CEB 707	Water and Waste Water Engineering	15
PEB 702	Engineering and Society	15	PEB 701	Design Project II	15
Total CP		60	Total CP		60
Year 4					
SEMESTER 1			SEMESTER 2		
Unit Code	Unit Name	CP	Unit Code	Unit Name	CP
CEB 801	Structural Design of Foundations	15		Elective 1	15
CEB 805	Design of Bridges	15	CEB 804	Resilient Design of Structures	15
CEB 806	Urban Storm Water and Environmental Management	15	PEB 802	Capstone Design Project II	30
PEB 801	Capstone Design Project I	15			
Total CP		60	Total CP		60

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Electives

CEB 803	Water Resources Systems	15
CEB 807	Urban Transportation System Planning	15
CEB 808	Rock Engineering & Design Applications	15
CEB 809	Remote Sensing and GIS Applications	15
CEB 810	Dynamics of Structures	15
CEB 811	Coastal Engineering	15
CEB 812	Advanced Structural Design	15
CEB 813	Airport Engineering and Design Applications	15