

CURRICULUM STRUCTURE

University's General Elective Courses(Total : 6 credits)		
UABA0013	Principal Engineering Management	3 credits
UAPA 0013	Research Methodology	3 credits
CORE SUBJECTS (24 CREDITS)- CHOOSE 8 SUBJECTS FROM THE LIST OFFERED IN THE MKAE PROGRAM. AT LEAST 2 SUBJECTS MUST BE CHOSEN FROM EACH OF GROUP A, B AND C		
CORE & ELECTIVE ENGINEERING SUBJECTS OFFERED (GROUP A-CHOOSE 2 SUBJECTS)		
MKAE1013	Advanced Structural Analysis	3 credits
MKAE1143	Finite Element Method	3 credits
MKAE1163	Theory of Plate and Shell	3 credits
MKAE1173	Structural Dynamics	3 credits
MKAE1133	Advanced Mechanics of Materials	3 credits
MKAE1203	Structural Reliability	3 credits
CORE & ELECTIVE ENGINEERING SUBJECTS OFFERED (GROUP B-CHOOSE 2 SUBJECTS)		
MKAE1073	Advanced Design of Steel Structures	3 credits
MKAE1083	Advanced Design of Reinforced Concrete	3 credits
MKAE1183	Design of Pre stressed Concrete	3 credits
MKAE1193	Design of Precast Concrete	3 credits
CORE & ELECTIVE ENGINEERING SUBJECTS OFFERED (GROUP C-CHOOSE 2 SUBJECTS)		
MKAE1043	Advanced Construction Materials	3 credits
MKAE1153	Concrete Technology	3 credits
MKAE1033	Structural Assessment & Repairs	3 credits
MKAE1053	Bridge Engineering	3 credits
MKAE1093	Offshore Structures	3 credits
MKAE1023	Analysis and Design of Structural System	3 credits
MKAE1063	Tall Building System: Analysis and Design	3 credits
MKAE1113	Earthquake & Wind Engineering	3 credits
MKAE1123	Maintenance of Seismic Structures and Materials	3 credits
MKAE1213	Structural Fire Engineering	3 credits
Free Elective Courses (Total : 6 credits)		
Choose any two subjects offered by other programmes, faculties or from the above elective subjects		6 credits
Masters Project (Total : 10 credits)		
MKAE1514	Masters Project 1	4 credits
MKAE1526	Masters Project 2	6 credits
TOTAL CREDITS		46 credits
Duration of Study		
Full Time	:	3 – 8 semester