

MASTER OF FORENSIC ENGINEERING

Code	Courses	Credits
UNIVERSITY COURSES (6 credits)		
UABA0013	Principle of Engineering Management	3
UAPA0013	Research Methodology	3
CORE COURSES (18 credit)		
MKAR1013	Principles of Forensic Engineering	3
MKAR1023	Laws in Forensic Engineering	3
MKAR1033	Safety Engineering	3
MKAR1043	Risk Analysis	3
MKAR1053	Investigation of Structural Problems and Failures	3
MKAE1043	Advanced Construction Materials	3
ELECTIVE COURSES (choose any 4 courses) (12 credit)		
GROUPS A (CIVIL ENGINEERING)		
MKAE1013	Advanced Structural Analysis	3
MKAE1023	Analysis and Design of Structural System	3
MKAE1053	Advanced Concrete Technology	3
MKAE1213	Structures Fire Engineering	3
MKAJ1053	Software Application in Geotechnical Engineering	3
MKAJ1083	Environmental Geotechnics	3
MKAG1173	Water Supply Engineering	3
MKAG1193	Port and Harbour Engineering	3
MKAQ1023	Advanced Road Material	3
MKAQ1093	Transport Safety	3
MKAK1043	Environmental Quality and Analysis	3
GROUPS B (MECHANICAL ENGINEERING)		
MKMB1723	Microstructure and Mechanical Properties of Materials	3
MKMB1703	Advanced Techniques of Materials Characterisation	3
MKMB2713	Corrosion 1	3
MKMB2753	Corrosion 2	3
GROUPS C (ELECTRICAL ENGINEERING)		
MKEL1133	IC Testing	3
MKEP1003	Electrical System Forensic	3
MKET1393	Network Modeling and Performance	3
MKEP1103	Condition Assessment of High Voltage Insulation	3
GROUPS D (CHEMICAL ENGINEERING)		
MKKH1253	Asset Integrity	3
MKKH1243	Process Safety and Loss Prevention	3
MKKH1343	Incident Investigation	3
MKKH1233	Emergency Response Management	3
MKKH1223	Inherent Safety and Health Design	3
Master Project/ Disertasi (10 credits)		
MKAR1514	Master Project I	4
MKAR1526	Master Project II	6
TOTAL CREDITS		46

Duration of Study :

Full Time : 2 – 8 semester