

MASTER OF FORENSIC ENGINEERING (MKAX)

Code	Courses	Credits
UNIVERSITY COURSES (6 credits)		
UABA0013	Principle of Engineering Management	3
UAPA0013	Research Methodology	3
CORE COURSES (18 credit)		
MKAR 1013	Principles of Forensic Engineering	3
MKAR 1023	Laws in Forensic Engineering	3
MKAR 1033	Safety Engineering	3
MKAR 1043	Risk Analysis	3
MKAR 1053	Investigation of Structural Problems and Failures	3
MKAE 1043	Advanced Construction Materials	3
ELECTIVE COURSES (choose any 4 courses) (12 credit)		
GROUPS A (CIVIL ENGINEERING)		
MKAE 1013	Advanced Structural Analysis	3
MKAE 1023	Analysis and Design of Structural System	3
MKAE 1153	Advanced Concrete Technology	3
MKAJ 1053	Software Application in Geotechnical Engineering	3
MKAJ 1083	Environmental Geotechnics	3
MKAG 1173	Water Supply Engineering	3
MKAG 1193	Port and Harbour Engineering	3
MKAQ 1023	Advanced Road Material	3
MKAQ 1093	Transport Safety	3
MKAK 1043	Environmental Quality and Analysis	3
GROUPS B (MECHANICAL ENGINEERING)		
MKMJ 2163	Crashworthiness and Structural Impact	3
MKMB 1623	Microstructure and Mechanical Properties of Materials	3
MKMB 1603	Advanced Techniques of Materials Characterisation	3
MKMB 2613	Corrosion 1	3
MKMB 2653	Corrosion 2	3
GROUPS C (ELECTRICAL ENGINEERING)		
MKEL 1133	IC Testing	3
MKEP 1003	Electrical System Forensic	3
MKET 1393	Network Modeling and Performance	3
MKEP 1103	Condition Assessment of High Voltage Insulation	3
GROUPS D (CHEMICAL ENGINEERING)		
MKKH 1253	Asset Integrity	3
MKKH 1243	Process Safety and Loss Prevention	3
MKKH 1343	Incident Investigation	3
MKKH 1233	Emergency Response Management	3
MKKH 1223	Inherent Safety and Health Design	3
Master Project (10 credits)		
MKAR1514	Master's Project I	4
MKAR1526	Master's Project II	6
TOTAL CREDITS		46

Duration of Study:

2 – 8 semester