

MASTER OF ENGINEERING (CIVIL) - MKAA

Code	Courses	Credits
UNIVERSITY COURSES (6 credits)		
UABA0013	Principle of Engineering Management	3
UAPA0013	Research Methodology	3
CORE COURSES (18 credit)		
MKAE1013	Advanced Structural Analysis	3
MKAE1083	Advanced Design of Concrete Structures	3
MKAM1013	Construction Project Management	3
MKAG1113	Advanced Hydraulics	3
MKAJ1033	Advanced Foundation Engineering	3
MKAK1003	Environmental Management & Sustainability	3
ELECTIVE COURSES (12 credit)		
Choose any two (2) courses offered by programs as below:-		
1) Master of Engineering (Structure) MKAE		
2) Master of Engineering (Environmental) MKAK		
3) Master of Engineering (Transportation) MKAQ		
4) Master of Engineering (Geotechnic) MKAJ		
5) Master of Engineering (Construction Management) MKAM		
6) Master of Engineering (Hydraulic & Hydrology) MKAG		
Some of the elective courses from the listed program above		
MKAE1023	Analysis and Design of Structural System	3
MKAE1043	Advanced Construction Materials	3
MKAE1073	Advanced Design of Steel Structures	3
MKAE1143	Finite Element Method	3
MKAE1183	Design of Pre stressed Concrete	3
MKAM1023	Cons. Site Management & Safety Control	3
MKAM1033	Construction Technology	3
MKAM1043	Construction Law and Contract	3
MKAG1213	Advanced Hydrology	3
MKAG1223	Water Resources Management	3
MKAJ1023	Advanced Geotechnical Analysis & Design	3
MKAJ1013	Advanced Soil Mechanics	3
MKAJ1053	Software Application in Geotechnical Engineering	3
MKAQ1013	Highway and Infrastructure Design	3
MKAQ1053	Pavement Design and Construction	3
MKAQ1063	Public Transport System	3
MKAK1043	Environmental Quality and Analysis	3
MKAK1063	Water Quality Assessment and Management	3
Master Project/ Disertasi (10 credits)		
MKAA1514	Master's Project I	4
MKAA1526	Master's Project II	6
TOTAL CREDITS		46

Duration of Study :

2 – 8 semester