

Year	Semester	Code	Course	Credit
1	1	MFA10103	Sustainable Construction Management	3
		MFA10203	Advanced Structural Analysis	3
		MFA10503	Environmental Management	3
	Total Credit			9

Year	Semester	Code	Course	Credit
1	2	MFA11103	Research Methodology	3
		MFA10403	Transportation Planning and Engineering	3
		MFA10603	Water Resources Engineering	3
	Total Credit			9

Year	Semester	Code	Course	Credit
2	3	MFA10303	Advanced Foundation Engineering	3
		MF*10*03	Elective I	3
		MFA10702	Master's Project 1	2
	Total Credit			8

Year	Semester	Code	Course	Credit
2	4	MF*10*03	Elective II	3
		MF*10*03	Elective III	3
	Total Credit			6

Year	Semester	Code	Course	Credit
3	5	MFA20812	Master's Project 2	12
	Total Credit			12

This curriculum structure is a guideline for the students. Rules and regulations:
 (i) Minimum semester = 5, maximum semester = 11; (ii) Elective can be selected from various fields but subjected to the courses offered by the faculty; (iii) Research Methodology should be taken before Master's Project I; (iv) Minimum credit = 3, maximum credit = 12; (v) Deferment not to exceed two consecutive semesters; (vi) Passing grade = B- (60%), except for Master's Project 2 as HW (HL or HG).

TOTAL CREDIT = 44

***Elective Course**

Structural Engineering	Environmental Engineering	Geotechnical Engineering
MFS10103: Advanced Structural Design	MFE10103: Air Pollution Engineering	MFG10103: Rock Mechanics
MFS10203: Design of Bridge Structure	MFE10203: Water Supply Engineering	MFG10203: Geo-Environmental Engineering
MFS10303: Design of Precast Concrete Structure	MFE10303: Wastewater Engineering	MFG10303: Soil Dynamics
MFS10403: Advanced Solid Mechanics	MFE10403: Solid Waste Management	MFG10403: Advanced Geotechnical Engineering

Water Resources Engineering	Highway and Transportation Engineering
MFW10103: Groundwater Hydrology	MFH10103: Advanced Traffic Engineering and Safety
MFW10203: Statistical Hydrology	MFH10203: Advanced Pavement Materials
MFW10303: Modeling in Water Resources Management	MFH10303: Application of GPS, GIS and RS To Civil Engineering
MFW10403: Advanced Hydraulics Engineering	MFH10403: Pavement Analysis and Design

Sustainable Engineering
MFL10103: Ecohydrology
MFL10203: Data Science
MFL10303: Subsurface Modeling for Engineering
MFL10403: Sustainable Rock Slope Engineering