



Mutah University
College of Graduate Studies

Master's Degree in Civil Engineering/ Water and Environmental Engineering Comprehensive Track

Comprehensive Track: The total credit hours required for graduation are 33 credit hours, distributed as follows:

A: - Specialization Requirements Compulsory Credit Hours (27)	Course Code	Course Title	Credit Hours	Prerequisite
	0403703	Groundwater Hydraulics and Contamination	3	-
	0403709	Statistics and Probability in Water and Environmental Engineering	3	-
	0403710	Advanced Hydraulics	3	-
	0403711	Surface Water Hydrology	3	-
	0403712	Design of Dams and Reservoirs	3	-
	0403714	Computational Method in Water and Environmental Eng.	3	-
	0403729	Solid Waste Management	3	-
	0403730	Water and Wastewater Treatment Plants Design	3	-
	0406724	Research Methods	3	-

B: - Elective Major Requirements Credit Hours (6)	Course Code	Course Title	Credit Hours	Prerequisite
	0403713	Engineering Hydro System Planning and Management	3	-
	0403716	Design and Operation of Hydraulic Structure	3	-
	0403717	Modeling for Water Resources and Environmental Engineering	3	-
	0403718	Stochastic Processes in Water Resource and Environmental Eng.	3	-
	0403724	Air Pollution	3	-
	0403727	Environmental Engineering Measurements	3	-
	0403733	Application of Geographical Information System	3	-

C: - College Compulsory	Course Code	Course Title	Credit Hours	Prerequisite
	Continuous Registration	0	
		Comprehensive Exam	0	