

Water Engineering and Management

PROFILES

Water Engineering and Management					
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Integrated Water Management			River and Coastal Engineering		
Profile Courses (minimum 30 EC)			Profile Courses (minimum 30 EC)		
at least 4 of the following 5 courses:			at least 4 of the following 6 courses:		
Hydrology 195400100	7,5	1	Water Systems 201300077	7,5	1
Water Footprint Assessment 201400010	7,5	1	Hydrology 195400100	7,5	1
Design Project Water II 195400500	7,5	2	Marine Dynamics 195400800	7,5	1
Tools for Water Policy Analysis 195400600	7,5	3	Morphology 195410200	7,5	2
Integrated Water Management 195400300	7,5	4	Mathematical Physics of Water Systems 195400900	7,5	3
			River Dynamics 195400400	7,5	4
Profile Electives			Profile Electives		
- Free to choose any of the 35 CEM-courses (pay attention to the required prior knowledge)			- Free to choose any of the 35 CEM-courses (pay attention to the required prior knowledge)		
- Below: list of CEM-courses that fit best in this profile (in addition to profile courses)			- Below: list of CEM-courses that fit best in this profile (in addition to profile courses)		
- Below: courses from other programmes that fit in this profile (If you include courses from other programmes, we recommend you to make a selection, such that the majority of the programme is still formed by CEM-courses)			- Below: courses from other programmes that fit in this profile (If you include courses from other programmes, we recommend you to make a selection, such that the majority of the programme is still formed by CEM-courses)		
Water Systems 201300077	7,5	1	Data Analysis in Water Engineering & Man. 195410100	7,5	2
Legal & Governance Aspects 195800100	7,5	1	Design Project Water II 195400500	7,5	2
Planning and Process Management 201500097	7,5	1	GeoRiskManagement 195820300	7,5	3
Data Analysis in Water Eng. & Management 195410100	7,5	2	Hydraulic Engineering 195410300	7,5	4
Collaborative Design & Engineering 195800400	7,5	3			
Infrastructure Management 195820500	7,5	4	Fluid Mechanics II (ME) 201500136	5	1
			Transport Phenomena (ME) 191141700	5	1
Policy Instr and Evaluation in Environ+Sust. (PA) 194106100	5	3	Numerical Methods in ME (ME) 191157710	5	1-2
Policy Analysis in Public & Technol.Domains (PA) 201100077	5	1	Data Science (CSC) 201400174	5	2 or 3
Economic Methods of Sustainability Assess. (PA) 201100073	5	1	Wave Motion (ME) 191154770	5	2
Public Governance and Policy Networks (PA) 194111240	5	3	Turbulence (AP) 193580010	5	2
Policy Strat.&Impl. for Water Govern+Sust. Issues (MEEM)	4	1	Theory of Partial Differential Equations (AM) 191550105	5	3
Sustainable Management Strat. and Innovation (MEEM)	4	1	Introduction to Finite Elements (part mod11 WB) 201400311	± 3	3
Energy Management, Policy and Technology (MEEM)	4	2	Applied Finite Elements for PDE (AM) 191551161	6	3
Environment and Technology (MEEM)	4	2	Comp.Fluid Dynamics (ME) 191154731	5	4
Data Science (CSC) 201400174	5	2 or 3			
GENERAL COURSES					
Free Electives (max 15 EC)			Free Electives (max 15 EC)		
Any course from UT or approved other university*			Any course from UT or approved other university*		
Thesis **			Thesis **		
Preparation Master Thesis	7,5	-	Preparation Master Thesis	7,5	-
Master Thesis Water	30	-	Master Thesis Water	30	-

PLANNING AND CONSULTATION FOR THE MASTER PROFILES

Track-coordinator: dr. ir. Denie Augustijn
Coordinator Master Theses: dr. ir. Martijn Booij

* an "approved university" is any university in The Netherlands (not HBO-schools), or any international university that is partner of the UT or of the faculty of ET.

[Click here for a list of partner universities](#)

For courses from other universities: contact your track-coordinator.

The Free Electives should be at MSc-level and should have no overlap with other courses in your programme.

** [Click here for the procedure of how to start the course Preparation Master Thesis and your MSc-thesis project](#)