

Water Engineering and Management

PROFILES

Integrated Water Management			River and Coastal Engineering		
Profile Courses (minimum 30 EC)	EC	Quartile	Profile Courses (minimum 30 EC)	EC	Quartile
Water Footprint Assessment	5	1	River Flow Processes	5	1
Hydrology	5	1	Long Waves and Tidal Morphodynamics	5	1
Water and Energy	5	2	Short Waves and Coastal Dynamics	5	1
Hydrological Modelling and Forecasting	5	2	Advanced Research Skills in River and Coastal Engineering	5	2
Urban Resilience in a Changing Climate	5	3	Morphology (Year 2; check Osiris for prerequisites)	5	2
Water and Climate	5	4	Mathematical Physics of Water Systems	5	3
			Hydraulic Modelling	5	3
			River Morphodynamics	5	4
Profile Electives <i>- Free to choose any of the CEM courses on offer</i> <i>(pay attention to the required prior knowledge)</i> <i>- Below: list of CEM-courses that fit best in this profile (in addition to profile courses)</i> <i>- On the website: courses from other programmes that fit in this profile</i> <i>(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)</i>			Profile Electives <i>- Free to choose any of the CEM courses on offer</i> <i>(pay attention to the required prior knowledge)</i> <i>- Below: list of CEM-courses that fit best in this profile (in addition to profile courses)</i> <i>- On the website: courses from other programmes that fit in this profile</i> <i>(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)</i>		
Water Quality	5	1	Water Quality	5	1
River Flow Processes	5	1	Hydrology	5	1
Data Analysis in Water Engineering and Management	5	2	Data Analysis in Water Engineering and Management	5	2
Systems Engineering in Construction	5	3	Hydrological Modelling and Forecasting	5	2
Hydraulic Engineering	5	3	Hydraulic Engineering	5	3
Building with Nature	5	4	Advanced Soil Mechanics	5	3
			Building with Nature	5	4
			Water and Climate	5	4
			Geo Risk Management	5	4
GENERAL COURSES					
Free Electives (max 15 EC)	EC	Quartile	Free Electives (max 15 EC)	EC	Quartile
Any course from UT or approved other university*			Any course from UT or approved other university*		
Thesis **	EC	Quartile	Thesis **	EC	Quartile
Preparation Master Thesis	5	-	Preparation Master Thesis	5	-
Master Thesis Water	30	-	Master Thesis Water	30	-

PLANNING AND CONSULTATION FOR THE MASTER PROFILES

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Coordinator Master Thesis: dr. ir. Martijn Booij