Water, River and Coastal Engineering and Management

Specialisation Courses (≥50 EC)	Quartile	ECTS	CEM Elective Courses (≥15 EC)	Quartile	ECTS
River Flow Processes	1	5	Specialisation course or any other course from CEM	1,2,3,4	5
Hydrology	1	5	(pay attention to the required prior knowledge)		
Long Waves & Tidal Morphodynamics	1	5			
Water Footprint Assessment	1	5			
Water Quality	1	5			
Civil Engineering Challenges*	1	5			
Wave-Dominated Coastal Systems	2	5	**Free Electives (max 15 EC)**		
Hydrological Modelling and Forecasting	2	5	Specialisation course or any other course from CEM, UT	1,2,3,4	
Data Analysis in Water Engineering and Management	2	5	or approved other university**		
Morphology*	2	5			
Mathematical Physics of Water Systems	3	5	**Other usefull courses (0 EC)**		
Hydraulic Engineering	3	5	Boost your Competences	1,2,3,4	0
Hydraulic Modelling	3	5			
Integrated Water Management	3	5			
Machine Learning Applications in Civil Engineering	3	5			
Building with Nature	4	5	**GRADUATION *** **		
Water and Climate	4	5	Academic Research Skills in CEM/CME	2,4	5
River Morphodynamics	4	5	Preparation Master Thesis	1,2,3,4	5
			Master Thesis Water (30 EC)	1,2,3,4	30

Specialisation-coordinator: Dr.ir. Bas Borsje
Coordinator Master Thesis: Dr.ir. Martijn Booij

* Courses that require more prior knowledge and experience, preferably taken in the second year

** 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.

The Free Electives should be at MSc-level and should have no overlap with other courses in your programme. For courses from other universities, contact your Specialisation-coordinator.

*** Click here for the procedure of how to start the course Preparation MSc-thesis and your MSc-thesis project