

Sustainability & Resilience

Specialisation Courses (≥50 EC)	Quartile	ECTS	CEM Elective Courses (≥15 EC)	Quartile	ECTS
Sustainable Engineering	1	5	Specialisation course or any other course from CEM (pay attention to the required prior knowledge)	1,2,3,4	5
Planning & Process Management	1	5			
Construction Supply Chains and Digitization	1	5			
Legal & Governance Aspects	1	5			
Water Footprint Assessment	1	5			
Civil Engineering Challenges*	1	5			
Circular Design & Deconstruction	1	5	Free Electives (max 15 EC)		
Sustainable Transport	1	5	Specialisation course or any other course from CEM, UT or approved other university**	1,2,3,4	
Transitions in Civil Engineering*	1	5			
Urban Resilience in a Changing Climate	1	5	Other usefull courses (0 EC)		
Integrated Water Management	1	5	Boost your Competences	1,2,3,4	0
Construction Project & Programme Management	1	5			
Machine Learning Applications in Civil Engineering	1	5			
Land Use and Transport Interactions	1	5	GRADUATION ***		
Water and Climate	1	5	Academic Research Skills in CEM/CME	2,4	5
Building with Nature	1	5	Preparation Master Thesis	1,2,3,4	5
			Master Thesis Sustainability & Resilience	1,2,3,4	30
Specialisation-coordinator: Dr.ir. Joanne Vinke-de Kruijf Coordinator Master Thesis: Dr.ir. Lara Wohler					

* 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](#)