

Transport Engineering & Management

Specialisation Courses (≥50 EC)	Quartile	ECTS	CEM Elective Courses (≥15 EC)	Quartile	ECTS
Planning & Process Management	1	5	Specialisation course or any other course from CEM (pay attention to the required prior knowledge)	1,2,3,4	5
Transport Demand Modelling	1	5			
Simulation (IEM)	1	5			
Civil Engineering Challenges*	1	5			
Traffic Safety	2	5	Free Electives (max 15 EC)		
Public Transport Modelling	2	5	Specialisation course or any other course from CEM, UT or approved other university**	1,2,3,4	
Rail Transport	2	5			
Sustainable Transport	2	5			
Traffic Operations	3	5	Other usefull courses (0 EC)		
Traffic Management	3	5	Boost your Competences	1,2,3,4	0
Machine Learning Applications in Civil Engineering	3	5			
Urban Resilience in a Changing Climate	3	5			
Transportation & Logistic Management (IEM)	3	5			
Smart Mobility	4	5	GRADUATION ***		
Mathematical Optimization in Transport	4	5	Academic Research Skills in CEM/CME	2,4	5
Land Use and Transport Interactions	4	5	Preparation Master Thesis	1,2,3,4	5
Sustainable Transportation Infrastructure	4	5	Master Thesis Traffic & Transport	1,2,3,4	30

Specialisation-coordinator: Prof.dr.ir. Eric van Berkum

Coordinator Master Thesis: Dr.ir. Baran Ulak

* 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](#)