

Transport Engineering and Management

PROFILES

Integrated Urban Transport			Transport and Logistics		
Profile Courses (minimum 30 EC)	EC	Quartile	Profile Courses (minimum 30 EC)	EC	Quartile
Transport Research Project (compulsory)	5	any	Transport Research Project (compulsory)	5	any
Planning & Process Management	5	1	Simulation (IEM)	5	1
GIS for Transport (ITC)	5	1	Traffic Operations	5	1
Sustainable Transport	5	2	Network Modelling and Forecasting	5	2
Empirical Methods for Designers (IDE)	5	2	Mathematical Optimization in Transport	5	2
Public Transport Modelling	5	3	Intelligent Transport Systems (IDE)	5	3
Traffic Safety (2020-2021)	5	4	Data Science I (CSC)	5	2 or 3
Land Use and Transport Interactions (ITC; check Osiris for prerequisite)	5	4	Public Transport Modelling	5	3
			Transport & Logistics (IEM)	5	3
			Traffic Management	5	3
Profile Electives <i>- Free to choose any of the CEM courses offered</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 offered</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>		
Simulation (IEM)	5	1	GIS for Transport (ITC)	5	1
Traffic Operations	5	1	Planning and Process Management	5	1
Network Modelling and Forecasting	5	2	Sustainable Transport	5	2
Mathematical optimization in Transport	5	2	Rail Transport	5	2
Rail Transport	5	2	Empirical Methods for Designers (IDE)	5	2
Data Science I (CSC)	5	2 or 3	Traffic Safety (2020-2021)	5	4
Intelligent Transport Systems (IDE)	5	3	Land Use and Transport Interactions (ITC; check Osiris for prerequisite)	5	4
Transport & Logistics (IEM)	5	3	Infrastructure Asset Management	5	4
Traffic Management	5	3			
Infrastructure Asset 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 Traffic	30	-	Master Thesis Traffic	30	-

PLANNING AND CONSULTATION FOR THE MASTER PROFILES

Track-coordinator: prof. dr. ir. Eric van Berkum
Coordinator Master Theses: prof. dr. ir. Eric van Berkum