

TEM - Smart Transport Systems

Start in September

(courses are 7.5 EC; unless otherwise specified)

Highlight the chosen courses

Name student: _____

Track-coordinator: prof. dr. ir. Eric van Berkum

Student number: _____

Date: _____

Signature: _____

Signature: _____

	Block 1 (15 EC) Quartile 1	EC	Block 2 (15 EC) Quartile 2	EC	Block 3 (15 EC) Quartile 3	EC	Block 4 (15 EC) Quartile 4	EC
Profile courses (min 30 EC)	Intelligent Transport Systems	7,5	Traffic Operations	7,5	Mathematical Optimization in Transport	7,5	Traffic Management	7,5
Profile electives	Simulation (IEM; follow up of Module 8 CiT/TBK)	6	Public Transport in Urban Areas	7,5	Data Science (EWI, 5EC)	5	Sustainable Transport	7,5
	Technology and Sustainable Development (SET)	3	Data Science (EWI)	5	Optimization Modelling (AM)	6	Stochastic Models (part of module 8, BSc-TW)	6
	Statistics and probability (IEM)	5	Simulation (IEM; follow up of Module 8 CiT/TBK)	6	Scientific Computing (AM)	6	Markov Chains and Stoch.Sim. (part of mod 8, BSc-TW)	6
	Discrete Optimization of Business Processes (IEM)	5	Electric Vehicle System Design (IDE)	5	Supply Chain & Transportation Management (IEM)	5		
	Discrete Optimization (AM)	6						
Other TEM courses	Planning and Process management	7,5	Transport Modeling	7,5	Land Use and Transport Interactions	7,5		
Other CEM courses	Supply chain management & ICT	7,5	Project management	7,5	Collaborative design & engineering	7,5	Industrialization & innovation in constr.	7,5
	Sustainable building	7,5	Markets, organizations & innovation	7,5	Project control & risk management	7,5	Infrastructure management	7,5
	Hydrology	7,5	Research methodology & academic skills	7,5	BIM & 5D Planning	7,5	Integrated Water Management	7,5
	Water Footprint Assessment	7,5	Design Project Water II	7,5	Procurement Strategies & Tendering	7,5	River dynamics (prior knowl: Math.Physics of WS)	7,5
					Tools for Water Policy Analysis	7,5	Hydraulic engineering	7,5
					Mathematical physics of water systems	7,5		
Free electives (max 15 EC)								

	Block 5 (15 EC) Quartile 1	EC	Block 6 (15 EC) Quartile 2	EC	Block 7 (15 EC) Quartile 3	EC	Block 8 (15 EC) Quartile 4	EC
Profile courses (min 30 EC)	Transport Research Project	7,5						
Profile electives	Simulation (IEM; follow up of Module 8 CiT/TBK)	6	Public Transport in Urban Areas	7,5				
	Technology and Sustainable Development (SET)	3	Data Science (EWI)	5				
	Statistics and probability (IEM)	5	Simulation (IEM; follow up of Module 8 CiT/TBK)	6				
	Discrete Optimization of Business Processes (IEM)	5	Electric Vehicle System Design (IDE)	5				
	Discrete Optimization (AM)	6						
Other TEM courses	Planning and Process management	7,5	Transport Modeling	7,5				
Other CEM courses	Supply chain management & ICT	7,5	Project management	7,5				
	Sustainable building	7,5	Markets, organizations & innovation	7,5				
	Hydrology	7,5	Research methodology & academic skills	7,5				
	Water Footprint Assessment	7,5	Design Project Water II	7,5				
	Marine dynamics (prior knowl: Math.Physics of WS)	7,5	Morphology (pr.knowl: Marine Dynamics)	7,5				
Free electives (max 15 EC)								
Thesis (37,5 EC)			Preparation Master Thesis	7,5	Master Thesis Traffic (30 EC)			