

ICES - Smart Cities

Start in September

(courses are 7.5 EC; unless otherwise specified)

Name student: _____

Track-coordinator: dr. Jord Warmink

Student number: _____

Date: _____

Signature: _____

Signature: _____

Highlight the chosen courses

	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)	Planning and Process management	7,5	Research methodology & academic skills	7,5	Land Use and Transport Interactions	7,5	Integrated water management	7,5
Profile electives	Intelligent Transport Systems	7,5	Public Transport in Urban Areas	7,5	Collaborative design & engineering	7,5	Traffic Management	7,5
	Legal & governance aspects	7,5	Data Science (EWI)	5	Data Science (EWI)	5	Sustainable Transport	7,5
	Sustainable building	7,5	Electric Vehicle System Design (IDE)	5	Wind Energy (SET)	4	Virtual Reality (IDE)	5
	Technology and Sustainable Development (SET)	3			Solar Energy (SET)	4		
	Energy Systems (SET)	3			Energy and Economy (SET)	4		
Other CEM courses	Hydrology	7,5	Design project water II	7,5	Tools for water policy analysis	7,5	River dynamics (prior knowl: Math.Physics of WS)	7,5
	Water Systems	7,5	Data analysis in water engineering & management	7,5	Mathematical physics of water systems	7,5	Hydraulic engineering	7,5
	Water footprint assessment	7,5	Traffic Operations	7,5	Mathematical Optimization in Transport	7,5	Industrialization & innovation in construction	7,5
	Supply chain management & ICT	7,5	Transport Modeling	7,5	Geo Risk Management	7,5	Infrastructure management	7,5
			Project management	7,5	Project control & risk management	7,5	Transport Research Project	7,5
			Markets, organizations & innovation	7,5	Building Information Modeling & 5D Planning	7,5		
				Procurement Strategies & Tendering	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)								
Profile electives	Intelligent Transport Systems	7,5	Public Transport in Urban Areas	7,5				
	Legal & governance aspects	7,5	Data Science (EWI)	5				
	Sustainable building	7,5	Electric Vehicle System Design (IDE)	5				
	Technology and Sustainable Development (SET)	3						
	Energy Systems (SET)	3						
Other CEM courses	Marine dynamics (prior knowl: Math.Physics of WS)	7,5	Design project water II	7,5				
	Hydrology	7,5	Data analysis in water engineering & management	7,5				
	Water Systems	7,5	Morphology (pr.knowl: Marine Dynamics)	7,5				
	Water footprint assessment	7,5	Traffic Operations	7,5				
	Supply chain management & ICT	7,5	Transport Modeling	7,5				
			Project management	7,5				
		Markets, organizations & innovation	7,5					
Free electives (max 15 EC)								
Thesis (37,5 EC)			Preparation Master Thesis	7,5	Master Thesis Water/Traffic/Construction (30 EC)			