

ICES - Civil Engineering Structures
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)	Sustainable building	7,5	Research methodology & academic skills	7,5	Geo Risk Management	7,5	Hydraulic engineering	7,5
Profile electives			Design project water II	7,5	Mathematical physics of water systems	7,5	Nonlinear Solid Mechanics (ME; prior knowledge: linear SM)	5
			Data analysis in water engineering & management	7,5	Collaborative design & engineering	7,5	Dynamica 2 & knik (mod 8 WB)	4,5
			Data Science (EWI)	5	Building Information Modeling & 5D Planning	7,5	Structural Health and Condition Monitoring (ME)	5
			Failure Mechanisms & Life Prediction (ME)	5	Data Science (EWI)	5		
Other CEM courses	Hydrology	7,5	Traffic Operations	7,5	Tools for water policy analysis	7,5	Integrated water management	7,5
	Water Systems	7,5	Transport Modeling	7,5	Mathematical Optimization in Transport	7,5	River dynamics (prior knowl: Math.Physics of WS)	7,5
	Water footprint assessment	7,5	Public Transport in Urban Areas	7,5	Land Use and Transport Interactions	7,5	Transport Research Project	7,5
	Intelligent Transport Systems	7,5	Project management	7,5	Project control & risk management	7,5	Traffic Management	7,5
	Planning and Process management	7,5	Markets, organizations & innovation	7,5	Procurement Strategies & Tendering	7,5	Sustainable Transport	7,5
	Legal & governance aspects	7,5					Industrialization & innovation in construction	7,5
	Supply chain management & ICT	7,5					Infrastructure management	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)			Morphology (pr.knowl: Marine Dynamics)	7,5				
Profile electives	Numerical Methods in ME (ME; prior knowledge: Intro FE)	5	Numerical Methods in ME (ME; prior knowledge: Intro FE)	7,5				
	Marine dynamics (prior knowl: Math.Physics of WS)	7,5	Design project water II	7,5				
			Data analysis in water engineering & management	5				
			Data Science (EWI)	5				
Other CEM courses	Hydrology	7,5	Traffic Operations	7,5				
	Water Systems	7,5	Transport Modeling	7,5				
	Water footprint assessment	7,5	Public Transport in Urban Areas	7,5				
	Intelligent Transport Systems	7,5	Project management	7,5				
	Planning and Process management	7,5	Markets, organizations & innovation	7,5				
	Legal & governance aspects	7,5						
Supply chain management & ICT	7,5							
Free electives (max 15 EC)								
Thesis (37,5 EC)			Preparation Master Thesis	7,5	Master Thesis Water/Traffic/Construction (30 EC)			