Integrated Civil Engineering Systems

PROFILES

Sustainability			Smart Cities	EC	Quartile
Profile Courses (30 EC)	*EC*	*Quartile*	**Profile Courses (minimum 30 EC)**	*EC*	*Quartile*
Sustainable Building	7,5	1	Planning and Process Management	7,5	1
Water Footprint Assessment	7,5	1	Research Methodology & Academic Skills	7,5	2
Research Methodology & Academic Skills	7,5	2	Land Use and Transport Interactions	7,5	3
Sustainable Transport	7,5	4	Integrated Water Management	7,5	4
Profile Electives ***- Free to choose any of the 35 CEM-courses*** *(pay attention to the required prior knowledge)* ***- Below: list of CEM-courses that fit best in this profile (in addition to profile courses)*** ***- Below: courses from other programmes that fit in this profile*** *(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)*			**Profile Electives** ***- Free to choose any of the 35 CEM-courses*** *(pay attention to the required prior knowledge)* ***- Below: list of CEM-courses that fit best in this profile (in addition to profile courses)*** ***- Below: courses from other programmes that fit in this profile*** *(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)*		
Legal & Governance Aspects	7,5	1	Legal & Governance Aspects	7,5	1
Collaborative Design & Engineering	7,5	3	Sustainable Building	7,5	1
Land Use and Transport Interactions	7,5	3	Public Transport in urban areas	7,5	2
Integrated Water Management	7,5	4	Data Science (EWI) + assignment	7,5	2 or 3
			Collaborative Design & Engineering	7,5	3
			Sustainable Transport	7,5	4
			Traffic Management	7,5	4
Innovative Design (SET)	5	1	Innovative Design (SET)	5	1
Energy Conversion Technology (ME)	5	1	Energy Conversion Technology (ME)	5	1
Life-Cycle Strategy (ME)	5	1	Life-Cycle Strategy (ME)	5	1
Policy Instr and Evaluation in Environm+Sust. (PA)	5	3	Resilieance Engineering (Psy)	5	1
Economic Methods of Sustainability Assessment (PA)	5	1	Product Life Cycle (IDE)	5	2
Policy Strat.&Impl. for Water Govern+Sust. Issues (MEEM)	4	1	Electrical Power Engineering + System Integration (SET)	5	2
Product Life Cycle (IDE)	5	2	Electric Vehicle System Design (IDE)	5	2
Electrical Power Engineering + System Integration (SET)	5	2	Energy, Sustainability and Society (SET)	5	3
Energy management, policy and technology (MEEM)	4	2	Wind Energy (SET)	5	3
Energy, Sustainability and Society (SET)	5	3	Solar Energy (SET)	5	3
Wind Energy (SET)	5	3	Virtual Reality (IDE)	5	4
Solar Energy (SET)	5	3	Energy Storage (SET)	5	4
Energy Storage (SET)	5	4			
Data Science (EWI)	5	2 or 3			

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	7,5	-	Preparation Master Thesis	7,5	-
Master Thesis Construction/Traffic/Water	30	-	Master Thesis Construction/Traffic/Water	30	-

PLANNING AND CONSULTATION FOR THE MASTER PROFILES

Track-coordinator: dr. Jord Warmink

Coordination of Master Theses: see coordinators from CME, TEM or WEM

* 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.
Click here for a list of partner universities
For courses from other universities: contact your track-cooridnator.
The Free Electives should be at MSc-level and should have no overlap with other courses in your programme.

** Click here for the procedure of how to start the course Preparation Master Thesis and your MSc-thesis project