

Master programme Civil Engineering and Management

Integrated Civil Engineering Systems (2)							
PROFILES							
Sustainability				Smart Cities			
Profile Courses (30 EC)	Course code	EC	Quartile	Profile Courses (minimum 30 EC)	Course code	EC	Quartile
Sustainable Building	195810400	7,5	1	Planning and Process Management	201500097	7,5	1
Water Footprint Assessment	201400010	7,5	1	Research Methodology & Academic Skills	195820400	7,5	2
Research Methodology & Academic Skills	195820400	7,5	2	Land Use and Transport Interactions	201000025	7,5	3
Sustainable Transport	195420800	7,5	4	Integrated Water Management	195400300	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	195800100	7,5	1	Legal & Governance Aspects	195800100	7,5	1
Collaborative Design & Engineering	195800400	7,5	3	Sustainable Building	195810400	7,5	1
Land Use and Transport Interactions	201000025	7,5	3	Public Transport in urban areas	201600131	7,5	2
Integrated Water Management	195400300	7,5	4	Data Science (EWI) + assignment	201400174	7,5	1, 2 or 3
Energy Conversion Technology (SET)	201600019	5	1	Collaborative Design & Engineering	195800400	7,5	3
Life-Cycle Strategy (SET)	191102010	5	1	Sustainable Transport	195420800	7,5	4
Economic Methods of Sustainability Assessment (PA)	201100073	5	1	Traffic Management	201100006	7,5	4
Policy Strategies (EEM)	201700115	4	1	Energy Conversion Technology (SET)	201600019	5	1
Sustainable Management Strategies	201700114	4	1	Life-Cycle Strategy (SET)	191102010	5	1
Product Life Cycle (IDE)	192850740	5	2	Product Life Cycle (IDE)	192850740	5	2
Electrical Power Engineering and System Integration (SET)	201700026	5	2	Electrical Power Engineering and System Integration (SET)	201700026	5	2
Energy management (EEM)	201700116	4	2	Electric Vehicle System Design (IDE)	201500009	5	2
Energy, Sustainability and Society (SET)	201700029	5	3	Energy, Sustainability and Society (SET)	201700029	5	3
Policy Instr and Evaluation in Environ+Sust. (PA)	194106100	5	3	Energy Storage (SET)	201600252	5	3
Solar Energy (SET)	201700025	5	3	Solar Energy (SET)	201700025	5	3
Energy Storage (SET)	201600252	5	3	Virtual Reality (IDE)	201000201	5	4
Data Science (EWI)	201400174	5	1, 2 or 3	Wind Energy (SET)	201700024	5	4
Wind Energy (SET)	201700024	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		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 Engineering Technology.
 For a list of partner universities, see: <https://www.utwente.nl/en/et/student-mobility/partners/>
 For courses from other universities: contact your track coordinator.
 The Free Electives should be at MSc-level and should have no overlap with other courses in your programme.

** For the procedure of how to start the course Preparation Master Thesis and your MSc-thesis project, see: