

Faculty:
Built Environment

Site:
Campus Oberwerth



Degree Title: Civil Engineering			
Academic Title: Master of Engineering (M.Eng.)		Prerequisites for Admission: <ul style="list-style-type: none"> • BA or diploma in the field of civil engineering with a min. average mark of 2.5 (British 2:1) • Or confirmation of suitability following a min. 2-year period in a related profession after the initial course of study (BA/diploma) 	
Aim of the Course: The course curriculum is designed to teach consolidated, professional knowledge and academic methods as well as concentrate on the planning and conceptual aspects of the modules; this is to ensure professional managerial skills are acquired. This entails elements that will develop the students' communication, staff management and management skills. An essential part of this is project work in the form of a 'management project', where the students take over the management of groups of Bachelor students in their project work on a construction project.			
Structure of the Course/Curriculum:			
„Master of Engineering“ Bauingenieurwesen			
1. Semester	2. Semester	3. Semester	4. Semester
Statik (5c)	Siedlungswasserwirtschaft, Statik, Wasserwesen (7c)	Geo-Informationssysteme (3c)	Bauen im Bestand (3c)
Stahl-, Verbundbau und Holzbau (8c)	Geotechnik (5c)	Brückenbau (5c)	Wasserwesen und Grundwassermodellierung (5c)
Stahlbetonbau und Stabwerkmodelle (7c)	Spannbeton und Fertigteilbauweise (5c)	Wahlpflichtmodul (6c)	Wahlpflichtmodul (6c)
Mathematik (4c)	Straßenplanung, Stadtplanung, Straßenbautechnik (7c)	Praxisphase (16c)	Master-Thesis (16c)
Projektmanagement I und Business English (6c)	Projektmanagement II und Entscheidungstechnik (6c)		
‘Master of Engineering’ in Civil Engineering			
Semester 1 Statics (5c) Steel, Composite and Timber-Frame Structures (8c) Reinforced Concrete Structures & Stabwerk Models (7c) Mathematics (4c) Project Management I & Business English (8c)			
Semester 2 Domestic Water Supplies, Statics & Hydroscience (7c) Geotechnology (5c) Prestressed Concrete & Prefabricated Part Construction (5c) Road Planning, Town Planning & Road Engineering (7c) Project Management II & Decision-Making Techniques (6c)			
Semester 3 Geo-Information Systems (3c) Bridge Construction (5c) Elective Module (6c) Practical Phase (16c)			
Semester 4 Conversions and Redevelopment of Existing Buildings (3c) Hydroscience & Groundwater Modelling (5c) Elective Module (6c) Master Thesis (16c)			
Employability/Professional Activities: The professional profile of the Master's is geared towards the tasks involved in managerial positions in all areas of the construction industry. This encompasses site management in construction companies, project management in engineering offices and the management of functional areas or departments in authorities, as well as the prospect of senior management positions.			

Final Examination/Examination Regulations: <ul style="list-style-type: none">• Legal basis: regulations governing the examination on the Master Degree in Civil Engineering• Module examinations, thesis and Viva	Additional Information <ul style="list-style-type: none">• Modular,• Accredited degree course
Admission to Further Postgraduate Studies <p>The successful completion of the Master's Degree qualifies a student to take up a position in the upper levels of the civil service and for acceptance onto a PhD.</p>	
The Faculty's ECTS-/International Student Advisor <p>Prof. Eva von Mackensen, E-Mail: evavonmackensen@gmx.de</p>	