

WAREM Study Plan

Semesters, module groups, and ECTS requirements at a glance. Updated 16.09.26.

Pre-course

6 weeks of German Intensive Course

Semester overview

1st semester	2nd semester	3rd semester	4th semester	To be achieved
Applied Fluid Mechanics 6 ECTS *		Stochastical Modelling and Geostatistics 6 ECTS *	Master’s Thesis 30 ECTS	Mandatory Modules = 18 ECTS
Sanitary Engineering 6 ECTS ***	Modelling of Hydrosystems 6 ECTS **	Elective module(s)		
Hydraulic Structures 6 ECTS **	Integrated Flood Protection Planning 6 ECTS **			Selectable mandatory Modules = 30 ECTS (5 out of 8)
Chemistry and Biology in Engineering 6 ECTS ***	Integrated Watershed Modelling 6 ECTS *			
Data, Statistics and Optimization 6 ECTS *	Water Quality and Treatment 6 ECTS ***			6 Electives = 36 ECTS
Water Supply and Climate Resilience 6 ECTS ***	Urban Drainage and Design of Waste Water Treatment Plants 6 ECTS ***			EITHER: 6 ECTS German course or 3 ECTS German Course and 3 ECTS Key Qualification or 6 ECTS Key Qualification
Elective module(s)	Elective module(s)			
German Course 3 ECTS or	German Course 3 ECTS or	German Course 3 ECTS or		
Key Qualification 3 ECTS	Key Qualification 3 ECTS	Key Qualification 3 ECTS		

Module groups

*Groundwater Resources Management and Geohydrology

**Hydraulic Engineering and River Basin Management

***Sanitary Engineering

Colour Index:

GREEN: Mandatory Modules, BLUE: Selectable mandatory Modules, ORANGE: Electives, PURPLE: German Course or Key Qualifications