

# Course of Study Water and Environmental Engineering (Study Cohort w22)

Sample course plan B Master Water and Environmental Engineering (WUMS) Dual study program

Specialisation Environment										
1	<b>Biology, Geology and Chemistry</b> Environmental Analysis VL 2 Geology and Soil Science VL 2 Biology VL 2			<b>Practical module 2 (dual study program, Master's degree)</b> Practical term 2 0		<b>Practical module 3 (dual study program, Master's degree)</b> Practical term 3 0		<b>Master thesis (dual study program)</b>		
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7	<b>Sustainability and Risk Management</b> Environment and Sustainability VL 2 Safety, Reliability and Risk Assessment SE 2									
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13	<b>Practical module 1 (dual study program, Master's degree)</b> Practical term 1 0			<b>Waste Treatment and Solid Matter Process Technology</b> Solid Matter Process Technology for Biomass VL 2 Thermal Waste Treatment VL 2 Thermal Waste Treatment HÜ 1		<b>Study Work Environment</b>				
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19				<b>Management of Surface Water</b> Modelling of Flow in Rivers and Estuaries VL 3 Nature-Oriented Hydraulic Engineering / Integrated Flood Protection PBL 2		<b>Waste Treatment Technologies</b> Biological Waste Treatment PBL 3 Waste and Environmental Chemistry PR 2				
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25	<b>Water Protection</b> Water Protection and Wastewater Management VL 3 Water Protection and Wastewater Management PS 3			<b>Sustainable energy from wind and water</b> Sustainability Management VL 2 Wind Turbine Plants VL 2 Wind Energy Use - Focus Offshore VL 1 Hydro Power Use VL 1		<b>Water Resources and -Supply</b> Chemistry of Drinking Water Treatment VL 2 Chemistry of Drinking Water Treatment HÜ 1 Water Resource Management VL 2 Water Resource Management GÜ 1				
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31	<b>Environmental Protection and Management</b> Health, Safety and Environmental Management VL 2 Health, Safety and Environmental Management GÜ 1 Integrated Pollution Control VL 2			<b>Advanced Vadose Zone Hydrology</b> Vadose Zone Hydrology VL 2 Vadose Zone Hydrology HÜ 2 Modeling Processes in Vadose Zone GÜ 2		<b>Subsurface Processes</b> Subsurface Solute Transport VL 2 Subsurface Solute Transport HÜ 1 Modeling of Subsurface Processes GÜ 3				
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37	<b>Wastewater Treatment and Air Pollution Abatement</b> Air Pollution Abatement VL 2 Biological Wastewater Treatment VL 2									
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Business & Management (from catalogue) - 6LP										
Linking theory and practice (dual study program, Master's degree) (from catalogue) - 6LP										

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.

