

Sem.	Student Research	Mandatory Courses	Supplement Courses
1 st	<div style="border: 2px solid black; background-color: yellow; padding: 5px; text-align: center;"> Research Planning & Scientific Communication (3 CP) </div>	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="border: 2px solid black; background-color: lightblue; padding: 5px; text-align: center;"> Hydrochemistry and -biology (3 CP) </div> <div style="border: 2px solid black; background-color: lightblue; padding: 5px; text-align: center;"> Hydrology and Water Resources Management (6 CP) </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 2px solid black; background-color: lightblue; padding: 5px; text-align: center;"> Environmental Hydraulics (6 CP) </div> <div style="border: 2px solid black; background-color: lightblue; padding: 5px; text-align: center;"> Statistical Methods (6 CP) </div> </div> <div style="border: 2px solid black; background-color: lightblue; padding: 5px; text-align: center;"> Meteorology and Climatology (3 CP) </div> </div>	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Coastal and Estaurine Management (6 CP) </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Hydropower Engineering (6 CP) </div> <div style="border: 1px dashed black; padding: 5px; text-align: center;"> Supplements from 3rd Semester </div> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Soil Mechanics for Hydraulic Structures (3 CP) </div> </div>
2 nd	<div style="border: 2px solid black; background-color: yellow; padding: 5px; text-align: center;"> Research Project (6 CP) </div>	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="border: 2px solid black; background-color: lightgreen; padding: 5px; text-align: center;"> Hydrological Extremes (6 CP) </div> <div style="border: 2px solid black; background-color: lightorange; padding: 5px; text-align: center;"> Industrial Water Supply and Water Management (6 CP) </div> </div> <div style="border: 2px solid black; background-color: lightorange; padding: 5px; text-align: center;"> Solid Waste Management (6 CP) </div> </div>	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Ecology and Water Quality Management (9 CP) </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Field Measuring Techniques in Coastal Eng. (6 CP) </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Maritime and Port Engineering (6 CP) </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Water Economics (5 CP) </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Flow & Transport Processes (6 CP) </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Urban Hydrology (3 CP) </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Environmental Planning (3 CP) </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Wetland Ecology and Management with Excursion (6 CP)* </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Modelling in Sanitary Eng. (6 CP) </div> </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Wetland Ecology and Management (3CP) </div> </div>
3 rd		<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="border: 2px solid black; background-color: lightgreen; padding: 5px; text-align: center;"> GIS and Remote Sensing (6 CP) </div> <div style="border: 2px solid black; background-color: lightorange; padding: 5px; text-align: center;"> Infrastructures for Water Supply and Wastewater Disposal (6 CP) </div> </div> <div style="border: 2px solid black; background-color: lightgreen; padding: 5px; text-align: center;"> Water Resources Systems Analysis (6 CP) </div> </div>	<div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Special Topics in Hydrology and Water Resource Mgmt. (3 CP)* </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Recycling and Circular Economy (6 CP) </div> <div style="border: 1px dashed black; padding: 5px; text-align: center;"> Supplements from 1st Semester </div> </div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Special Topics in Sanitary Engineering (3 CP) </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> Innovative Bioprocesses for Waste Valorization (6 CP) </div> <div style="border: 1px dashed black; padding: 5px; text-align: center;"> STUDIUM GENERALE up to 6 CP possible </div> </div> </div>
4 th	<div style="border: 2px solid black; background-color: yellow; padding: 5px; text-align: center;"> Master Thesis (24CP) </div>		<div style="border: 1px dashed black; padding: 5px; text-align: center;"> Supplements from 2nd Semester </div>

* not offered in WiSe 24/25 & SoSe 25

<div style="background-color: yellow; width: 20px; height: 10px; display: inline-block;"></div>	Soft skill/ thesis	<div style="background-color: lightblue; width: 20px; height: 10px; display: inline-block;"></div>	Basics	<div style="background-color: lightgreen; width: 20px; height: 10px; display: inline-block;"></div>	Major A: Water Resources Management	<div style="background-color: lightorange; width: 20px; height: 10px; display: inline-block;"></div>	Major B: Sanitary Engineering	<div style="border: 2px solid black; width: 20px; height: 10px; display: inline-block;"></div>	Mandatory (for Major)	<div style="border: 1px solid black; width: 20px; height: 10px; display: inline-block;"></div>	Elective
---	--------------------	--	--------	---	--	--	----------------------------------	--	-----------------------	--	----------

At the end you need 120 credit points to earn the master's degree