

↓ Modules

Major →

● = compulsory

\* replacements -> see course catalogue; The information provided in the Course Catalogue at [www.vvz.ethz.ch](http://www.vvz.ethz.ch) is binding.

	CP	Sem.	Urban Water Man	Environm. Techn.	Resource Managt	Water Res. Man.	River & Hydr. Eng
<b>Water Infrastr. Planning &amp; Stormw. Managt. [WatInfra]</b>							
Infrastructure Systems in Urban Water Management	3	2	●				
Urban Drainage Planning and Modelling	6	3					
<b>Systems analysis in Urban Water Managt. [SysUWM]</b>							
Systems Analysis and Mathematical Modelling in UWM	6	1	●	●			
Process Engineering Ia*	3	1					
<b>Process Eng. in Urban Water Managt. [ProcUWM]</b>							
Process Engineering Ib	3	2	●	●			
Process Engineering II	6	2					
<b>Air Quality Control [AIR]</b>							
Air Pollution Modeling and Chemistry	3	1					
Air Quality and Aerosol Mechanics	3	2		●			
Air Quality and Health Impact	3	2					
<b>Waste Management [WASTE]</b>							
Waste Recycling Technologies	3	1		●	●		
Process Engineering Ia*	3	1					
Waste Management and Circular Economy	3	2					
<b>Ecological Systems Design [ESD]</b>							
Advanced Environmental, Social and Economic Assessments	5	1	●		●		
Advanced Environmental Assessment (Computer Lab I)	1	1					
Prospective Environmental Assessments	3	2					
<b>Groundwater [GROUND]</b>							
Modelling Environmental Pollutants	3	2			●	●	
Groundwater II	6	2					
<b>Water Resources Management (WRM)</b>							
Watershed Modelling	6	1			●	●	●
Water Resources Management	3	2					
<b>Flow and Transport [FLOW]</b>							
Numerical Hydraulics	3	1					
River Morphodynamic Modelling	3	2				●	●
Ecohydraulics and Habitat Modelling	3	3					
<b>Landscape [LAND]</b>							
Landscape Planning and Environmental Systems	3	1					
Methodologies for Image Processing of Remote Sensing Data*	3	2				●	
River Basin Erosion*	3	3					
<b>River Systems [RIVER] (partly in German)</b>							
River Engineering	3	1					●
River Restoration (partly in German)	3	2					
River Basin Erosion*	3	3					
<b>Hydraulic Engineering [HydEngr] (in German)</b>							
Wasserbau II (in German)	6	1					●
Hochwasserschutz (in German)	3	2					
<b>Remote sensing and earth observation [RemSens]</b>							
Basics and Princ. of Radar Remote Sensing for Env. Appl.	3	1					
Methodologies for Image Processing of Remote Sensing Data*	3	2					
Applied Radar Remote Sensing	3	3					
<b>Soil [SOIL ]</b>							
Environmental Soil Physics/Vadose Zone Hydrology	3	1					
Soil Mechanics (for Environmental Engineers)	3	2					
Soil-Plant Water Relations	3	3					