

POLITEHNICA University of Timișoara
Faculty of Civil Engineering

Field of study: CIVIL ENGINEERING

Bachelor degree: HYDRAULIC DEVELOPMENTS AND STRUCTURES – ACH
(teaching in Romanian language)

Beside the general qualification and competence in civil engineering, considering constructions design and technological accomplishment, the ACH program aims to prepare its students in the approaching and elaboration of specialized projects and works comprising hydraulic developments of various and complex purposes. The civil engineer specialized in hydraulic developments shall be able to manage the various construction elements regarding the water related infrastructure, all together from hydraulic, structural, technological and managing points of view. Specific issues regarding water retaining, capture and transport structures or hydropower, river engineering, water ways, water supply and sewerage and hydro-technical land improvement arrangements can be mentioned.

Selective subjects: Ground Surveying, Construction Materials, Strength of Materials, Structures Analysis, Soil Mechanics, Foundations, Concrete Structures, Steel Structures, Fluid Mechanics and Hydraulics, Hydrology, Water Management, Water Developments, Dams, Hydraulic Structures, River Engineering, Hydropower Arrangements, Environmental Protection, Water Supply and Sewerage, Constructions Technologies and Management.

Graduates of HDS program are commonly qualified to join with any company, designing office or administration department engaged in the field of civil engineering and concerned mainly by the broad issue of water infrastructure.