

Master in Civil engineering

Hydraulics, Civil and Environmental Engineering 1st year

Presentation

Created in 2011, the international Master program in Hydraulics, Civil and Environmental Engineering at Grenoble INP-UGA is one of the most widely recognized programs in the fields of hydraulics, mechanical engineering and civil engineering, in connection with new environmental challenges. It enables students to acquire the scientific knowledge needed to develop projects to preserve, anticipate and manage water resources, while at the same time giving them the keys to designing civil engineering structures in connection with hydraulics and the natural risks exacerbated by climate change. This dual expertise in 'hydrology' and 'structural design/analysis' is what makes this Master's programme unique.

Registration and scholarships

Access conditions

For the M1

To apply for the Master 1 you must have a bachelor's degree in civil engineering related to hydraulics, water treatment, geomechanics and/or environment.

Capacity: 18 places (200 applicants each year)

skin.odf-uga:SKIN_ODF_CONTENT_PROGRAM_CANDIDATURE_LABEL

Applications can be made via the following website:

[Application website](#)

Recruitment campaign :

- Recruitment opening date: 15 October 2024
- Closing date: 15 May 2025
- Start date of the Master's degree in 2025: September 2025

Selection in two stages:

- application
- 30-minute interview by videoconference

Expenses

[Master in Hydraulic and Civil Engineering - Grenoble INP - Ense3, UGA \(grenoble-inp.fr\)](#)

Practicals informations :

- > Component : Grenoble INP - Ense3 (Energie, eau, environnement), UGA
- > level : Baccaulaureate +4
- > Duration : 1 year
- > Course type : Initial and Continuing Education
- > Location(s) : Grenoble - University campus

Contacts

Program director

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Administrative contact

Secrétariat scolarité master HCEE
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Program

First-year course topics (M1 HCEE)

- Applied Structural Analysis
- Materials and Structures
- Continuum Mechanics and Finite Element Modelling
- Engineering Hydrology
- Pressurized Flow Hydraulics
- Open Channel Hydraulics
- Ground Hydraulics and Groundwater Works
- Soil and Rock Mechanics
- French Language
- Professional Skills Support
- Industrial or research project or team project + internship