

Master in Civil engineering

The programme offers the following course(s) :

- › Applied Mechanics 1st year
- › Civil Engineering 1st year
- › Construction, risks and mountains 2nd year
- › Génie Civil et Architecture 2nd year
- › Geomechanics, civil engineering and risks 2nd year
- › Hydraulic and civil engineering 2nd year
- › Sustainable construction and environment 2nd year
- › Urban engineering 2nd year

Presentation

The master in Civil engineering offers five programmes from master 1st year to master 2nd year/

- Urban engineering (IU)
- Sustainable construction and environment (CDE)
- Construction, risks and mountains (CRM)
- Geomechanics, civil engineering and risks (GCER)
- Hydraulic and civil engineering (HCE)

IU Programme Urban Engineering	CDE Programme Sustainable Construction and Environment	CRM Programme Construction, Risks and Mountains	GCER Programme Geomechanics, Civil Engineering and Risks	HCE Programme Hydraulic and Civil Engineering
M1 GC			M1 Applied Mechanics (International common with mechanical mention)	M1 HCE
Common part (51 ECTS) Specialized courses (9 ECTS) by programme			Common part (45 ECTS) Specialized courses (15 ECTS)	Common part (50 ECTS) Training stage (10 ECTS)
M2 GC			M2 GCER	M2 HCE
Common part (9 ECTS) Specialized courses (21 ECTS) by programme 5 months training stage (30 ECTS)			Common part (12 ECTS) Specialized courses (18 ECTS) 5 months training stage (30 ECTS)	Common part (24 ECTS) Specialized courses (6 ECTS) 5 months training stage (30 ECTS)

The three programs IU, CDE and CRM consist of a foundation program (over 2 years excluding internships) of 60 ECTS and specialised classes for each programme (30 ECTS). The classes are given in French.

The 1st year Applied mechanics is entirely common to the two specialisations Civil engineering and Mechanics and leads to three international programs, including GCER.

The GCER and HCE programs welcome international students. Teaching on the GCER programme is given entirely in English. For the HCE programme, 70% of classes are given in English.

The objectives common to all the programs are : scientific, technical, and professional skills in the field of civil engineering, especially in calculation and sizing of structures under static and dynamic loads, mechanics of geomaterials (soil, rock, concrete) and management of multidisciplinary projects.

The specific objectives of the programs are :

- IU program : This is a vocational course whose main objective is to train civil engineering managers in both the private and public sectors. It pays particular attention to issues related to urban planning and environmental management of construction. The IU program particularly targets 'horizontal' construction and development (roads and utilities, transport, urban planning, etc.). There are many targeted employment opportunities at management level in all the phases of a construction operation
- CDE program : This is a vocational course whose main objective is to train civil engineering managers in both the private and public sectors. It pays particular attention to issues related to the sustainability and renovation of structures, and the environmental aspects. There are many targeted employment opportunities at management level in all the phases of a construction operation
- CRM program : This is a vocational course in the GC specialisation whose main objective is to train civil engineering managers in both the private and public sectors. It pays particular attention to issues related to construction in mountain environments from the perspective of the structures, and specific stresses that are not covered by normal norms. The CRM program is especially aimed at companies specialising in construction in mountain areas and development of mountain environments in cross-border areas
- GCER program : This is an international course primarily intended for students wishing to focus on research (PhD thesis) in the field of geomechanics and civil engineering in France or abroad, with a view to pursuing a career as teacher-researcher in a University, researcher in a large public organisation (CNRS, etc.) or R&D engineer within a company
- HCE program : The HCE program is an international vocational course whose main objective is to train engineers/managers in the field of water and environmental engineering, in both the private or public sector. In the HCE program, special attention is paid to issues relating to the design of unique constructions and structures for which water flows are decisive factors. The employment opportunities at management level concern: studies, design, consulting and services in hydraulics, structures, geotechnology, offshore, natural risks; design of structures; maintenance, management and operation of hydraulic structures and networks

Registration and scholarships

Access conditions

The first year of master's degree is accessible on file (and / or interview) to candidates with a national diploma conferring the degree of license in a field compatible with that of the master or via a validation of studies or acquired according to the conditions determined by the university or training. The second year is accessible on file (and / or interview) to candidates who have validated the 1st year of a compatible course or through a validation of studies or acquired under the conditions determined by the university or training.

Public continuing education : You are in charge of continuing education :

- if you resume your studies after 2 years of interruption of studies
- or if you followed a formation under the regime formation continues one of the 2 preceding years
- or if you are an employee, job seeker, self-employed

If you do not have the diploma required to integrate the training, [you can undertake a validation of personal and professional achievements \(VAPP\)](#)

[skin.odf-uga:SKIN_ODF_CONTENT_PROGRAM_CANDIDATURE_LABEL](#)

You want to apply and sign up for a master ? Please be aware that the procedure differs depending on the diploma you want to take, the diploma you have already obtained and, for foreign students, your place of residence

Let us be your guide – simply follow this [link](#)

Expenses

Tuition fees 2023/2024 : 243 € + 100€ CVEC

Job opportunities

The latest surveys (30 months after graduation) show:

- A 93% occupational integration rate
- A median duration of access to the first filling of 3 months
- A stable employment rate of 86%
- 98% are hired full time
- 99% on positions of middle management and intermediate professions

Practicals informations :

- > Component : UFR PhITEM (physique, ingénierie, terre, environnement, mécanique), Grenoble INP - Ense3 (Energie, eau, environnement)
- > level : Bacalauréat +5
- > Duration : 2 years
- > Course type : Initial and Continuing Education, Education in apprenticeship, Professionalisation contract
- > Location(s) : Grenoble - University campus

Contacts

Program director

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Program administration

Registrar's Office for the Master in Civil Engineering
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Application

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Program

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