

# one year program

September to June

Since 2007-2008, 105 students have attended this masters program from more than thirty different countries



44 of our 105 students have continued onto a PhD in Grenoble or elsewhere

# program website

applications are made online

<http://www-meca.ujf-grenoble.fr/master-MEI/mems/>

## contact information

For information about this Masters program:

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The program starts in September

Applications are possible from February to June (April for non-european applicants)

Master Mécanique,  
Energétique et Ingénieries

DE GRENOBLE

Master Geomechanics, Civil Engineering and Risks



INTERNATIONAL MASTERS IN

# Geomechanics, Civil Engineering and Risks

Coordinator: Cino Viggiani

Université  
Joseph Fourier   
GRENOBLE

  
Laboratoire  
Sols • Solides • Structures • Risques

Grenoble  INP

## objectives

Geomechanics is integral to understanding a number of natural and engineering phenomena, and associated risks. The objective of this master is to provide an understanding of both the mechanics of geomaterials (soil, rock and also concrete) and the associated mathematics: which form the basis of an advanced engineering approach

The international master "Geomechanics, Civil Engineering and Risks" is a one year research-oriented program offered by Laboratoire 3SR -- a top ranking research unit associated with CNRS and the University of Grenoble (Université Joseph Fourier (UJF) and Grenoble-INP). It benefits from the fact that Laboratoire 3SR is a big player in a solid network of European universities (ALERT-Geomaterials)

## admission requirements

The program is ideal for students who wish to proceed to higher level academic research and those interested in working in applied geomechanics

For entry into the program, applicants must have already completed a 1st year masters program or the 4th year of an engineering undergraduate program (Bac + 4 in France) in one of the following fields: Civil Engineering, Geotechnical Engineering, Environmental Engineering, Solid Mechanics, Engineering Geology, ...

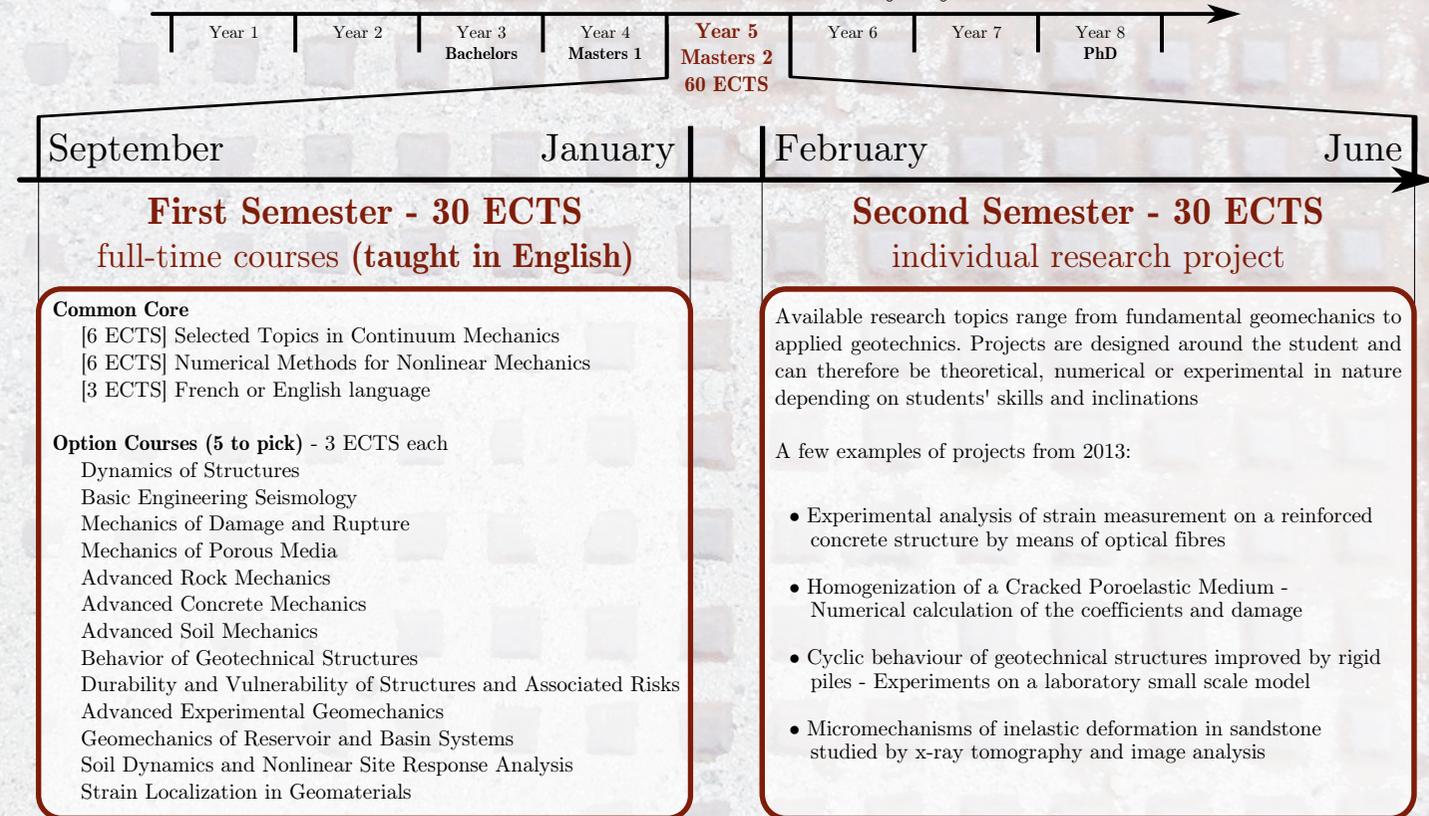
Admission is subjected to the approval of Université Joseph Fourier, and is based on applicants' ability and motivation, recommendation letter and language skills

## structure of the program

The year is divided into two semesters, of which the first comprises full-time courses including a common core and a selection of five option courses (detailed below)

The second semester is entirely dedicated to an individual research project, in Grenoble or in a partner university. This is concluded by a masters thesis which is defended in front of a committee in Grenoble

### Timeline: French University System



The French government's support of higher education means that students pay very little of the real cost of university education. The tuition fees are in the order of three to four hundred euro, regardless of nationality

Some scholarship schemes both at the local and (inter)national level exist to fully fund students on this program