



International Spring Semester: Civil Engineering - Sustainable Construction

JAN -
JUNE
2020

Université Grenoble Alpes

CONTACTS



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This spring semester program is one of the three optional semesters of the DUT diploma in Civil Engineering - Sustainable Construction of University Technology Institute 1.

This program is the final training stage for senior technicians to get a strong background in technological skills, as well as project management. The training covers a wide range of fields in the Building and Public Works sector, such as industrial or commercial construction, individual or general interest construction, transport infrastructure, urban development and environment. This training also puts emphasis on sustainable construction and respect for the environment.

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DIRECT ACCESS **TO UGA - IUT 1 EXPERTISE**

The Université Grenoble Alpes (UGA) is a large, public research university, enrolling about 45,000 students, and accredited by the French government.

Because of its strategic position, surrounded by three mountain ranges, Vercors, Chartreuse and Belledonne, the UGA is a major international research center in mountain Civil Engineering.

Student surveys for the last ten years place Grenoble consistently in the top three cities in France for students. Combining the conveniences of a mid-sized city with a remarkable natural environment, Grenoble offers history, culture, nightlife, sports, and more.

Today, Grenoble is a hub of innovation, employing thousands of people in research, technology, and international business. People from all over the world come to Grenoble, and the city is lively, welcoming, and brimming with activity.

SPRING SEMESTER PROGRAM (30 ects)

Teaching Unit: “Advanced technical knowledge”

Advanced soil mechanics (30h)

Roads, miscellaneous networks and earthworks (30h)

Structure modeling (30h)

English/French language (30h)

Teaching Unit: “Bases for Sustainable construction”

Mathematics for engineers (30h)

Structural Analysis by Energy Methods (30h)

Strength of Materials (30h)

Algorithmic language (30h)

Teaching Unit: “Final semester project”

Final cross disciplinary project (90h)

Communication - final project presentation (18h)

Tutorial group project (30h)

Final cross disciplinary project (90h)

EXPERIENCE **GRENOBLE, THE ALPS AND IUT 1**

Taught by experts in advanced technologies – earthquake engineering, rockfall protections, structure modeling and more – this program will also provide students the opportunity to apply your knowledge to all construction techniques: foundations, structures, technical equipment, building stability, thermal, acoustic and visual comfort, the choice of materials, the definition of construction techniques (from earthworks to roadworks as well as engineering structures).



HOW TO APPLY?

Program dates: mid-January to mid-June

Program fees may apply for non-exchange students, please contact our International department for further details:
iut1.international@univ-grenoble-alpes.fr