

# DUT Civil engineering sustainable construction / spring semester



Target level  
Baccalaureate  
+2



ECTS  
120 credits



Duration  
2 years




Component  
Institut  
universitaire de  
technologie (IUT  
1)



Language(s) of  
instruction  
English, French

## Presentation

The IUTs transform their training offer by offering a University Bachelor of Technology (BUT) from September 2021. The  BUT thus becomes the new reference diploma of the IUT instead of the DUT. Students benefit from an integrated course over 3 years, without additional selection to reach the license degree. The diploma is aligned with international standards and facilitates exchanges with foreign universities. Please note, DUT recruitments are only open in the second year for students from another IUT (1st year DUT) and wishing to continue their 2nd year at IUT1 in Grenoble.



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.

The DUT Civil Engineering - Sustainable Construction trains all activities related to the act of building. The training includes a wide range of construction and public works (BTP) such as industrial or commercial buildings, individual buildings or general interest, transport infrastructure, urban development, environment. The training puts a very strong and transversal emphasis on sustainable construction and respect for the environment.

Specificities : The choice of optional modules in Semester 4 makes it possible to prepare one of the following three orientations:

- Professional license in building: structural work and second work (sustainable construction)
- Pro license in public works and development
- Long-term studies (engineering school, 2nd cycle university)

Training in two years of senior technicians with strong technological knowledge, professional technical skills, a good preparation for active living in terms of know-how, well-being, group work, project management and training. 'autonomy. They are intended to exercise indifferently at the level of project management (programming and monitoring of works), project management (design offices or control) or

completion of work as middle managers of sites (companies of construction).

The training is based on innovative and adapted teaching methods allowing each student a dynamic and interactive learning.

**Identifiant ROME** : Direction of construction work, Engineering and construction studies, Building site management, Construction surveying, Construction health and safety

**International education** : Internationally-oriented programmes

## Organisation

### Knowledge check

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## Admission

### Candidature / Application

- 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](mailto:iut1.international@univ-grenoble-alpes.fr)

### Target

- Holders of a general, technological or vocational bachelor's degree (via ENEPS), an equivalent level of study or a validation of prior learning
- For candidates with strong constraints (athletes and high-level artists, people with disabilities) possibility of educational development

- More informations - for professional bachelors : National School of Higher Professional Education - ENEPS (reserved for professional bachelors of the building and public works sector opening perspectives up to master level)
- For more information: <http://iut1.univ-grenoble-alpes.fr/formation-et-metier/enepps>

### Fees

For information: amount for 2019-2020

- Fees for non-scholarship holders: 170 €
- Fees for scholarship holders: 0 €

## And after

### Sector(s)

The graduate DUT GCCD has a broad field of competence allowing him to intervene in the different sectors of activity of the BTP: the sector of the building, the sector of the public works, the sector of the civil engineering, the structural work and the second work, technical equipment, urban development.

### Targeted trades

The graduate DUT GCCD has a broad field of competence allowing him to intervene in the different sectors of activity of the BTP: the sector of the building, the sector of the public works, the sector of the civil engineering, the structural work and the second work, technical equipment, urban development.

> draftsman - technician studies / metered / quotes - technician methods - site manager - work supervisor - laboratory technician - quality technician environmental safety - chargé d'affaire

## Useful info

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### Contacts

#### Program director

Benaceur Guessab

✉ Benaceur.Guessab@grenoble-inp.fr, Benaceur.Guessab@univ-grenoble-alpes.fr

#### Administrative contact

Département GCCD

✉ iut1.gccd@univ-grenoble-alpes.fr

#### Administrative contact

IUT 1 International

✉ iut1.international@univ-grenoble-alpes.fr

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### Course location(s) - City

📍 Grenoble

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### Campus

🏠 Grenoble - University campus

# Program

## Spring semester

	Nature	CM	TD	TP	Crédits
UE Advanced technical knowledge	UE				
Advanced soil mechanics	MATIERE				
Roads, miscellaneous networks and earthworks	MATIERE				
Structure modeling	MATIERE				
English / French language	MATIERE				
UE Bases for sustainable construction	UE				
Mathematics for engineers	MATIERE				
Structural analysis by energy methods	MATIERE				
Strength of materials	MATIERE				
Algorithmic language	MATIERE				
UE Final semester project	UE				
Final cross disciplinary project	MATIERE				
Communication-final project presentation	MATIERE				
Tutorial group project	MATIERE				
UE Final cross disciplinary project	UE				