

## Key figures

7

Scholarships/year through MOBIL'ITI funds (600€/months)

120

ECTS credits

40%

Research internship

10%

Field school / trips

## Our values

Scientific  
expertise

All our courses guarantee excellence and meet the requirements of the academic and industrial world

Team  
spirit

Projects and internships facilitate knowledge transfer and work experience

Relevance

Our courses encourage students to adopt a multidisciplinary approach to complex problem in geosciences

## University campus

With more than 50,000 students, Strasbourg is recognised for its student life quality. The Esplanade campus is located in the heart of the city. This allows students to take full advantage of the attractions of the city and the many university services, library networks, university healthcare, and student accommodation.



The  
Crous

Housing Catering  
Healthcare Sport  
Culture



Outings of all  
kinds

Strasbourg is a  
hub for culture  
and arts



Strasbourg  
by bike

A dynamic city  
accessible by foot,  
tram, and bike



The center  
of Europe

With direct train  
connections  
to Paris, Basel,  
Frankfurt, and  
more in less than  
3 hours

## For more information

visit [geot.unistra.fr](https://geot.unistra.fr)

or contact us [iti-geot-formation@eost.unistra.fr](mailto:iti-geot-formation@eost.unistra.fr)

École & observatoire des sciences de la Terre | Eost

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Geosciences for the energy  
system transition | GeoT

The interdisciplinary thematic institutes  
of the University of Strasbourg & CNRS & Inserm



Ensuring a decarbonized

# Eost

# Master

future through renewable


georesources research

# of Sciences

 École  
et observatoire  
des sciences de la Terre  
Université de Strasbourg



Funded under the Excellence Initiative program & 

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## School and Observatory of Earth Sciences | EOST

**Mention** Earth and Planetary Sciences, Environment

**Parcours** *Geosciences for the energy system transition | GeoT*

You are looking for a complete, international and interdisciplinary training programme that will enable you to acquire the skills needed for jobs focusing on the geosciences and the energy transition in order to meet the challenges of tomorrow... The GeoT course is for you!

The GeoT programme offers a diverse range of courses enriched by partnerships with other organisations such as the IFP School and the Interdisciplinary thematic institute | ITI GeoT.

The GeoT specialisation will prepare students for careers in:

- Earth, renewable energy, and environmental sciences research;
- Research and development;
- Industrial engineering;
- Prospection and exploitation of renewable georesources;
- Natural and anthropogenic risk mitigation

## Goals

- To develop a holistic understanding of the diverse interconnections between geosciences research and industry
- To develop initiative and autonomy through the design and execution of multidisciplinary projects associated with research and development framework
- To be exposed to a large network of professionals, and be prepared for a wide range of postgraduate careers
- To prepare students for career in the renewable geosciences

## Master program

1 <sup>st</sup> year	1 <sup>st</sup> semester	ECTS
	Lecture-based courses	24
	Scientific writing and presentation skills	
	Data analyses, computing	
	Geology for energy transition	
	Geophysical prospecting	
	Hydrology	
	Geochronology and geothermometer	
	Sedimentary basin S1	
	Petrophysics	
	Field and practical-based courses	6
	Geological Reservoir Field school	
	Case study	
	2 <sup>nd</sup> semester	ECTS
	Lecture-based courses	12
	Seismology and inverse theory	
	Seismic processing and interpretation	
	Geography information system	
	Sedimentary basin S2	
	Field and practical-based courses	18
	Independent research project S2	
	Rocks physics and lab practicals	
	Well logging and applied petrophysics	
	Field-based well-logging	
2 <sup>nd</sup> year	3 <sup>rd</sup> semester	ECTS
	Lecture-based courses	14
	Artificial intelligence	
	Controversy and the energy systems transition	
	Sub-surface storage	
	Monitoring: active and passive methods	
	Thermo-hydro-mechanical modelling	
	Geochemistry and renewable georesources	
	Field and practical-based courses	16
	Independent research project S3	
	Geothermal field school	
	Renewable georesources Seminar series	
	4 <sup>th</sup> semester	ECTS
	Internship	30

## Skills

Students of the MSc GeoT will learn to:

- Observe, characterise, and quantify the physical properties of the subsurface using different geophysical tools, at different scales
- Process and analyse various digital signals and in a Geographic Information System
- Apprehend, design, and implement mathematical models simulating physical processes
- Identify, analyse, and apprehend questions of social perception of the georesources sector
- Design, execute, and defend scientific studies
- Write and communicate to an academic and professional audience

## Admission requirement

**1<sup>st</sup> year** Undergraduate degree in Earth sciences, physics, or equivalent degree (180 ects)

**2<sup>nd</sup> year** Master's degree in Earth sciences, physics, or an equivalent degree

## How to apply

Students who have already studied in France:

**1<sup>st</sup> year** apply through [monmaster.gouv.fr](https://monmaster.gouv.fr)

**2<sup>nd</sup> year** apply through [ecandidat.unistra.fr](https://ecandidat.unistra.fr)

Foreign students:

**Both year** apply through [campusfrance.org](https://campusfrance.org)

