Earth Sciences

Bachelor's degree in Earth Sciences Geosciences



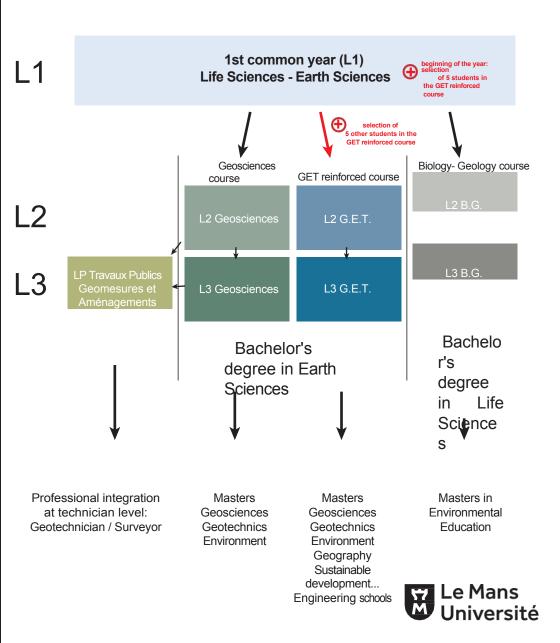
Le Mans Université Understandi ng our planet Understanding our planet is at the interface of many scientific, environmental, societal and economic issues. In times of climate change, it is increasingly important to find and sustainably manage the resources needed for the energy transition. People are also part of a geological environment that needs to be studied to limit the impact of increasing natural hazards (flooding, landslides, block falls, cave-ins) on infrastructures. Earth sciences are essential to help us meet tomorrow's challenges and preserve our environment.

What is the Geosciences degree?

The Geosciences degree takes 3 years to complete, and aims to train general geologists with a naturalist approach, able to work in the field and in the laboratory, and able to apply a multidisciplinary scientific approach to geosciences. The broad disciplinary base should enable students to tackle the major issues linked to our physical environment (Earth), from understanding the global functioning of our planet and its past and future evolution, to more applied questions concerning resource prospecting and management, natural risk management or ecosystem pollution. This foundation provides students with a certain number of operational technical skills (measuring equipment, software, sampling, etc.) designed for immediate integration at senior technician level in companies in the sector (geotech- nics, environmental consultancies, etc.) or for further study at Master's level.

1 month in the field

LICENCE COURSE in Earth and Environmental Sciences



1st common year (L1) Life Sciences - Earth Sciences

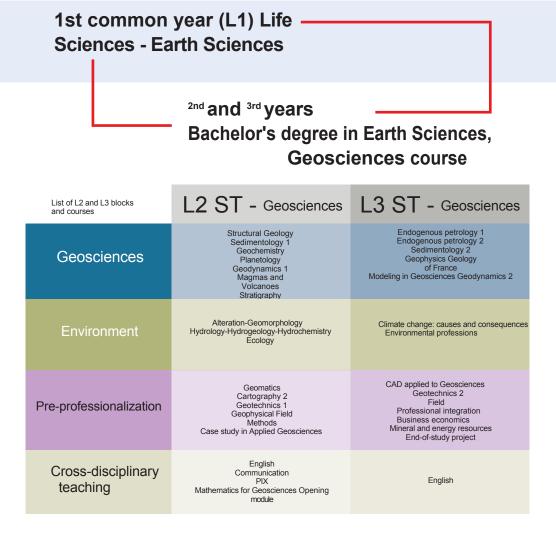
Blocks of Teaching Units	Teaching units	Hourly volumes		
reaching onits	units	CM	TD	TP
Biology	Animal evolution and diversity Plant evolution and diversity Structural biochemistry Plant cell biology Animal cell biology	16 16 10 16 16	3 - 12 3 3	12 12 6 6
Geosciences	Planet Earth Introduction to petrology Cartography History of the Earth	17 17 4 17	10 - 8 2	- 10 18 8
Mathematics, Physics and Chemistry for SV-ST	Structure and properties of atoms Chemical reactions Organic chemistry Applied math for SVT Applied physics for science and technology	8 - 8 11 18	12 18 12 14 25	3 9 6 - 3
Language skills and cross-disciplinary	Methodology and analysis for SVT English Communication - French	2 - -	4 30 30	6 - -
Pre-professionalization	Overview of SVT professions Student Professional Project - PPE	10 5	- 10	-
Socio- ecological transition	Socio-ecological transition policies	12	12	-

* GET route only

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- 1st year multidisciplinary
- Wide choice of career paths after 1st year Groups
 - of 40 students in lectures, 20 in practical
- ar Groups ↓ n practical ↓ exercises ↓ e via PPE ↓
 - Active guidance via PPE Support/tutoring for students in difficulty



- Multidisciplinary career path 🗸
- Half of the courses are practical Numerous speakers from the \checkmark
 - professional world 🗸
- A total of 1 month in the field during the course (Alps, Atlantic coast), **√** Sarthe)
 - End-of-course internship or tutored project Early training in digital 🗸
 - tools and professional software 🖌
 - Small classes (20-30 students) 🖌
 - Close contact with the teaching team 🖌

How to get into the bachelor

How do I register?

January to March: 10 applications entered on the "Parcoursup" website www.parcoursup.fr End of May: admission proposals are posted and candidates make their choices. July: registration as soon as baccalauréat results are available, according to the procedures on the

website For more information, visit the "Parcoursup" website and/or the Le Mans Université

website: www.univ-lemans.fr under FORMATION > CANDIDATURES / INSCRIPTION



Further studies and career opportunities

The Geosciences bachelor's degree leads to a wide choice of Master's degrees in Earth and Environmental Sciences.

Here are a few examples of careers related to the skills acquired during training:

Reservoir geologist, mining geologist, geotechnician, hydrologist, hydrogeologist, sedimentologist, structural geologist, geochemist, geophysicist, Geographic Information System (GIS) engineer, natural hazard expert, basic research professions (paleontologist, climatologist, glaciologist, volcanologist, etc.)...

Contacts & information

Head of Licence ST : Head of L1 SV - ST: Geosciences website :

School department : Referral service :

Le Mans University : Faculty of Science :

Training location : Le Mans University Avenue Olivier Messiaen 72085 Le Mans Cedex 9 Paul.Bessin@univ-lemans.fr Aurore.Caruso@univ-lemans.fr geosciences.univ-lemans.fr

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