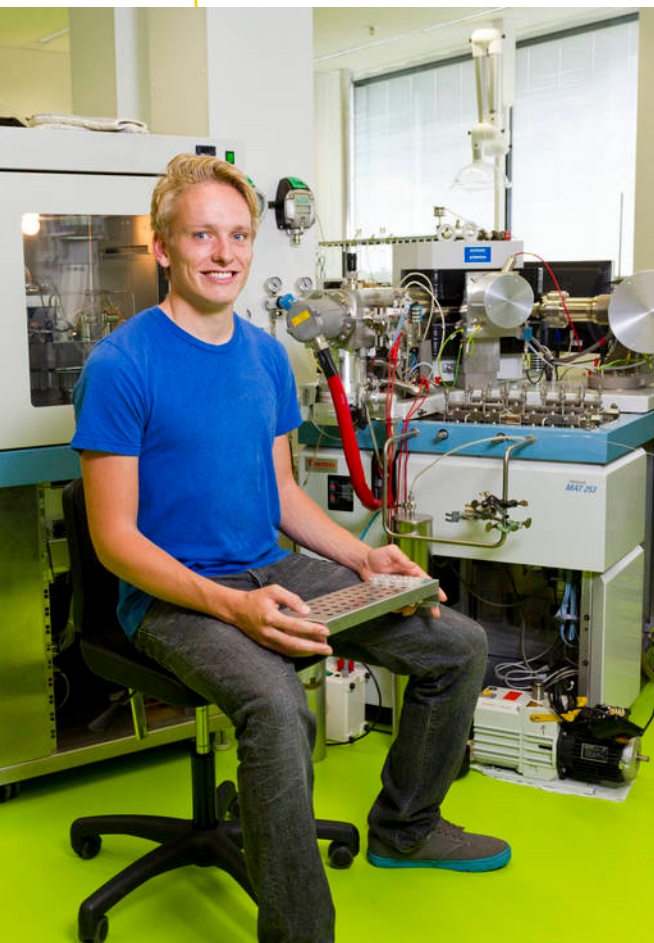




Master's programme

Earth, Life and Climate



IS THIS PROGRAMMA FOR YOU?

On our Master's programme in Earth, Life, and Climate, you will explore the fundamental processes which regulate the past, present, and future dynamics of sedimentary systems, biodiversity, and climate, as well as their evolution. This two-year programme will provide you with the knowledge you need to understand climate change and its impact on natural environments such as soils, sediments, lakes, groundwater, wetlands, estuaries, and oceans.

CHOICE OF TOPICS

You can choose from a wide variety of research topics, ranging from microscopic to global in scale, and concerning past, contemporary, and future dynamics of biotic and climate perturbations. You have the opportunity to approach your research in a truly integrated fashion with field research, laboratory experiments, remote sensing, and process-based numerical modelling.

You can choose one of three tracks based on your specific interests:

- Integrated Stratigraphy and Sedimentary Systems
- Climate Reconstruction
- Biogeosciences and Evolution
- Environmental Geochemistry

PROGRAMME OBJECTIVE

On this programme, you will learn state-of-the-art reconstruction methods, modelling techniques, and laboratory experiments used in a wide range of earth and beta science disciplines. These disciplines include biogeology, palaeontology, sedimentology, stratigraphy, environmental geochemistry, organic geochemistry, hydrology, physical geography, geology, biology, climate dynamics, and palaeoceanography. These skills will prepare you for an international career in applied or fundamental research.

PROGRAMME OUTLINE

- Duration: 2 years (120 ECTS)
- Number of first year students: 25
- Start of studies: September and February
- September deadlines: April 1(international students)
June 1 (Dutch students)
- February deadlines: September 1 (international students)
December 1(Dutch students)
- Degree: Master of Science
- Registratation name: Earth Sciences
- Registratation code: 66986

- Study the processes that drive natural systems
- Combine biology, chemistry and earth sciences
- Choose one of four tracks to suit your interests
- Research past and present environments

*Bright minds,
better future*

CAREER PROSPECTS

Knowledge of large-scale and long-term processes provides you with a good basis for managing major environmental issues. The numerous global-change issues currently facing us mean you can pursue a variety of employment opportunities in diverse sectors.

Many of our graduates go on to find employment in research. Depending on your personal interests and ambitions, you will be equipped to work in both fundamental and applied research. You can pursue a career in applied research in government institutes, consulting firms, or various industries. Typical professional profiles of our graduates include Geologist, Sedimentologist, Biogeologist, Physical Geographer, Geochemist and Hydrologist.

ADMISSION

The Master's programme Earth, Life and Climate is open to students with a Bachelor's degree in a relevant subject (e.g. earth sciences, natural sciences, physics, chemistry, physical geography, civil or environmental engineering, applied mathematics). The decision of the admissions committee will be based largely on prior education, motivation and talent and grade point average (GPA). You may still be eligible for admission if you have a degree other than those listed above. For more details on the entrance requirements, please check www.uu.nl/masters/elc.



Alumna Sietske Batenburg

"What fascinates me about geology is the huge range of time and spatial scales. In my work, I look at tiny variations in the chemical composition of sedimentary rocks to investigate worldwide climatic variations that took place more than 66 million years ago. This programme is a good basis for this type of work as it is very research-oriented. It focuses on the interaction between the biosphere and other elements of the Earth system, with a special focus on how life on Earth is affected by climate change. The Utrecht researchers know how to convey their enthusiasm and state-of-the-art knowledge during the courses. Doing the Master's programme was a great experience and I am happy to have found a job that perfectly suits my interests and also includes fieldwork and travel."

Outline of degree structure

Year 1

Period 1	Compulsory course (7.5 ECTS)	Compulsory course (7.5 ECTS)
Period 2	Compulsory course (7.5 ECTS)	Compulsory course (7.5 ECTS)
Period 3	Compulsory course (7.5 ECTS)	Compulsory course (7.5 ECTS)
Period 4	2 Elective courses (15 ECTS) or Elective course + field module (15 ECTS)	

Year 2

Period 1	Independent research (30 - 45 ECTS)	Traineeship and/or Guided research (15 - 30 ECTS)
Period 2		
Period 3		
Period 4		

More information

For special questions relating to the contact of this Master's programme, contact the Faculty of Geosciences on +31 (0)30 235 7890 or via mscinfo.geo@uu.nl. For information of application procedures at Utrecht University, contact Student Services on +31 (0)30 253 7000 or via studentservices@uu.nl.

www.uu.nl/masters/elc

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