

Favourites



Add programmes to your favourites and compare them to find the programme that suits you best.



Energy Science

Utrecht University

Master Postgraduate Utrecht

[Send by email](#) [Save page as PDF](#)

Course description

Qualification Master of Science

Field of study Engineering

Course summary Energy Science provides a thorough understanding of energy systems and provides students the capabilities to work towards sustainable energy systems.

Course description This two-year Master's programme in Energy Science at Utrecht University offers an interdisciplinary approach to tackle challenges including mitigating climate change, securing our long-term energy supply, and providing access to sustainable energy for everyone. Energy collection, conversion, transport, storage, distribution, and end-use application are all steps in providing energy services to society. All these elements form an energy system, which is complex and interacts with other systems in a multitude of ways. Transitions in energy systems and the merits of innovation for the individual components of each can only be analysed in the context of the complete system. This is why we place energy systems analysis at the very center of our Energy Science programme. Analyzing energy systems requires a thorough knowledge of the fundamental scientific and technological principles of the discipline. This knowledge enables us to understand how the characteristics of individual technologies can influence their performance, as well as the impact of market and policy contexts on energy systems. Both economics and policy studies are covered in the programme.

Study subjects Energy and Resources Policies; Sustainability Science; Energy Conversion Technology; Research Methods Energy and Resources; Energy Modelling & Economics.

The aim is to educate natural scientists that are able to contribute to the transitions towards



Course objectives	sustainable energy and material systems, by doing applied research, consultancy work or policy advice.
ECTS credits	120.00
Duration	24 month(s) full-time
Language of instruction	English
Instruction modes	literature study, research, research project, tutorial, lecture, working group, self study
Accreditation	NVAO

About the institution

Department	Faculty of Geosciences
Information about the institution	Commitment, inspiration, ambition and independence are Utrecht University's core values. The University fosters its academic community through investment in staff and students.

Admission

Admission requirements

Language requirements

Professional experience required -

Duration 24 month(s)
full-time

Application deadlines	Start date EU/EEA Students Non-EU/EEA students	
	1 Sep 2019 1 Jun 2019	1 Apr 2019
	1 Sep 2020 1 Jun 2020	1 Apr 2020

Year EU/EEA Non-EU/EEA Institutional

No tuition fees available.

In short, the following rules apply:

- The "EU/EEA rate" is the regular fee for students from within the EU/EEA.
- The "non-EU/EEA rate" is the rate for students from outside the EU/EEA.
- The "institutional rate" is for all students who have already obtained a bachelor's or master's degree and who want to start a second programme leading to a degree at the same level or at a lower level.
- Note that FT, PT and D stand for "full-time", "part-time" and "dual", respectively.

Tuition fees



Make sure you contact your institution to find out what rate applies to you. The rates listed here are estimates.

Scholarships Utrecht Excellence Scholarship, Utrecht Graduate School of Geosciences: Geosciences Scholarships

For more scholarships, visit: www.grantfinder.nl

Course website [More information about the course](#)

Contact

studievoorlichting@uu.nl

Contact information for the study programme **mastervoorlichting Geowetenschappen**

Communications & Marketing

mscinfo.geo@uu.nl

Contact information for the institution study info

studievoorlichting@uu.nl

Telephone number +31 (0) 30 2532670

Course website [More information about the course](#)

Institution website [More information about the institution to search page](#)

