Bachelor of Science: Earth, Energy & Sustainability

OVERVIEW OF MAJOR

Currently at 7 billion, the Earth’s population is on target to reach 8 billion by 2027. What are some of the key environmental challenges related to this population growth which we are facing as society at the moment, and in the future? What can you do to make a real change in this world? These are key questions addressed in the BSc major Earth, Energy and Sustainability at LUC. This major operates at the forefront of environmental sciences, with a balance between understanding key concepts within a classroom setting, and applying the gained knowledge in real-life situations, both in the field and in the laboratory.

MAJOR TRACKS:

- Ecosystem Health
- Earth System Science
- Energy and Natural Resources

This major might be for you if you question things like....

- What are GMOs and what are the opportunities and risks associated with using them?
- What are the risks of fracking? And which alternative energy resources do we have available which allow for economic growth while minimizing environmental pollution?
- How is biodiversity loss related to biofuel production?

What can the future hold?

This major prepares you to start your career in a highly dynamic and fast moving field of sustainability research. At LUC we also emphasize that sustainability ultimately exists within a human context. Therefore there are many cross-links within the major to social sciences, with courses such as public policy, environmental law, and international development.

Jobs include working for NGOs, the government, environmental consultancy or as a researcher. Some examples of what alumni have done include:
- MSc in Sustainable Resources—University College London
- MSc Biodiversity, Conservation and Management—Oxford University
- Master in Creative Sustainability—Aalto University, Denmark

"I got inspired during sustainability lectures in the first year, that is why I chose this major. I followed the Energy and Natural Resources and Earth System Science tracks and really enjoyed them!

My favorite class was Water Resources and River Management as well as the research clinic I was able to take part on researching Microplastics in the Caribbean."

Lone Mokkenstrom
The Netherlands
Class of 2017
The Major Overview below will help you understand how the “track” system works at LUC The Hague, and how by choosing specific tracks you will gain knowledge and expertise in different areas. Though the Liberal Arts and Sciences curriculum will always allow you to have space for electives, the majors and tracks will enable you to have structure within your major.

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<th>Earth, Energy and Sustainability, 2017-2018</th>
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<tr>
<td>Capstone (10 EC)</td>
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<tr>
<td>300-level</td>
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<td>Ecotoxicology</td>
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<td>Ecosystem Health</td>
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**Major Tracks**

**Co-Convened**

Additional elective courses offered at the 100 level: Biology, Calculus, Chemistry, and Physics.