

Shaping Sustainable Futures

Bachelor in Energy and Environmental Systems Engineering Lucerne
University of Applied Sciences and Arts



Welcome!

The image features a background of a cityscape (Lucerne) with a network of glowing pink and yellow lines overlaid, suggesting a sustainable or technological theme. In the foreground, two black silhouettes of a man and a woman are shaking hands. A blue speech bubble above the woman contains the text 'Welcome!'.



Our campus
in Horw,
Lucerne

Your career
perspectives

Highlights

Your
enthusiasm

Admission
conditions

Study
program

Questions
?

Motivation



**Decarbonization of
energy systems**

**Environmental
sustainability**

**Transform your
passion for the
planet into a
thriving career!**



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Highlights

English
speaking &
intercultural
environment

Holistic
approach

Entrepreneurship

English-speaking & Intercultural Environment

**UNIQUE
IN SWITZERLAND**

Students from more than **39**
nations

40% Swiss students



Inclusivity

Take the opportunity
and be part in an exchange
program in one of our **16**
partner universities
worldwide

No additional costs for
a semester abroad



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Your career perspectives

Look into the Future

Perspectives after Graduation



Able to assess, design and optimize a variety of energy and environmental components and systems



Work in interdisciplinary teams and multi-cultural environments



You will be of great value to Swiss and international companies and organizations

New jobs
generated!

Our
graduates'
careers

The rise of green careers

Article • Sustainability

Sustainability Jobs Boom as Corporate ESG Efforts Accelerate

By Kate Birch

January 20, 2024 • 7 mins

SHARE



Sustainability Jobs Among Fastest-Growing, LinkedIn Data Finds

LinkedIn's Jobs on the Rise List for 2024 Reveals Sustainability Roles Among Fastest-Growing Jobs as ESG Efforts Pick up Pace, but Green Skills are Lacking



RELATED CONTENT

Verdantix: How Can Governments Inspire Green Investments?

Renewable Energy

Embrace your passion for sustainability!

No need to compromise your consciousness for your career!

4x times job increase in renewables until 2050!

Source: <https://sustainabilitymag.com/sustainability/sustainability-jobs-boom-as-corporate-esg-efforts-accelerate>

Unlimited Opportunities – in **which** **function** you can work

You career perspectives



Explore our
interactive
Alumni Graph

blog.hslu.ch/enalumni

Flavio Hodel



Project Leader Solar
Technologies, CKW

Graduation 2020

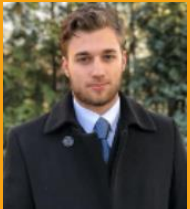
Shreya Dey



Innovation, Research,
Incubation, SBB

Graduation Bachelor
2017, Master 202

Samuel Zalesak



Founder, Zenergy

Graduation 2020

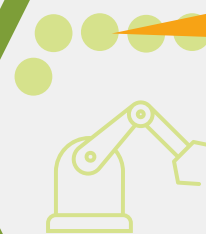
Energy utility



**Others
(public,
retailer,...)**



**Technology
provider**



BSc Energy and
Environmental
Systems
Engineering



Start-up



Research

**Planning
/consulting**



Muskaan Vaidya



Project Manager,
Hitachi ABB Power Grids

Graduation 2021

Paula Frey



Project Engineer Energy,
Gruner Gruneko AG

Graduation 2020

Matthias Reich



Research associate in research
group *Advancing Life Cycle
Assessment*, EMPA

Graduation Bachelor 2017
Master 2019



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1. Structure

Individual and modular

3. Year

Electives:
Energy and Environment

2. Year

1. Year

Energy 20%

Environment
20%

System &
Economy 15%

Projects
25%

20%

Related modules

Minor modules

Total
40%
elective

2. Projects

Projects from the beginning

Related
module



Project Management and
Communication

Product development in
interdisciplinary teams

Industrial projects with long-
term business partners

Bachelor Thesis

Related module

Intensive Week (related module)

“Design, Build and Commision PV in Ethiopia”



Many medical centers in rural regions are not connected to the electricity grid

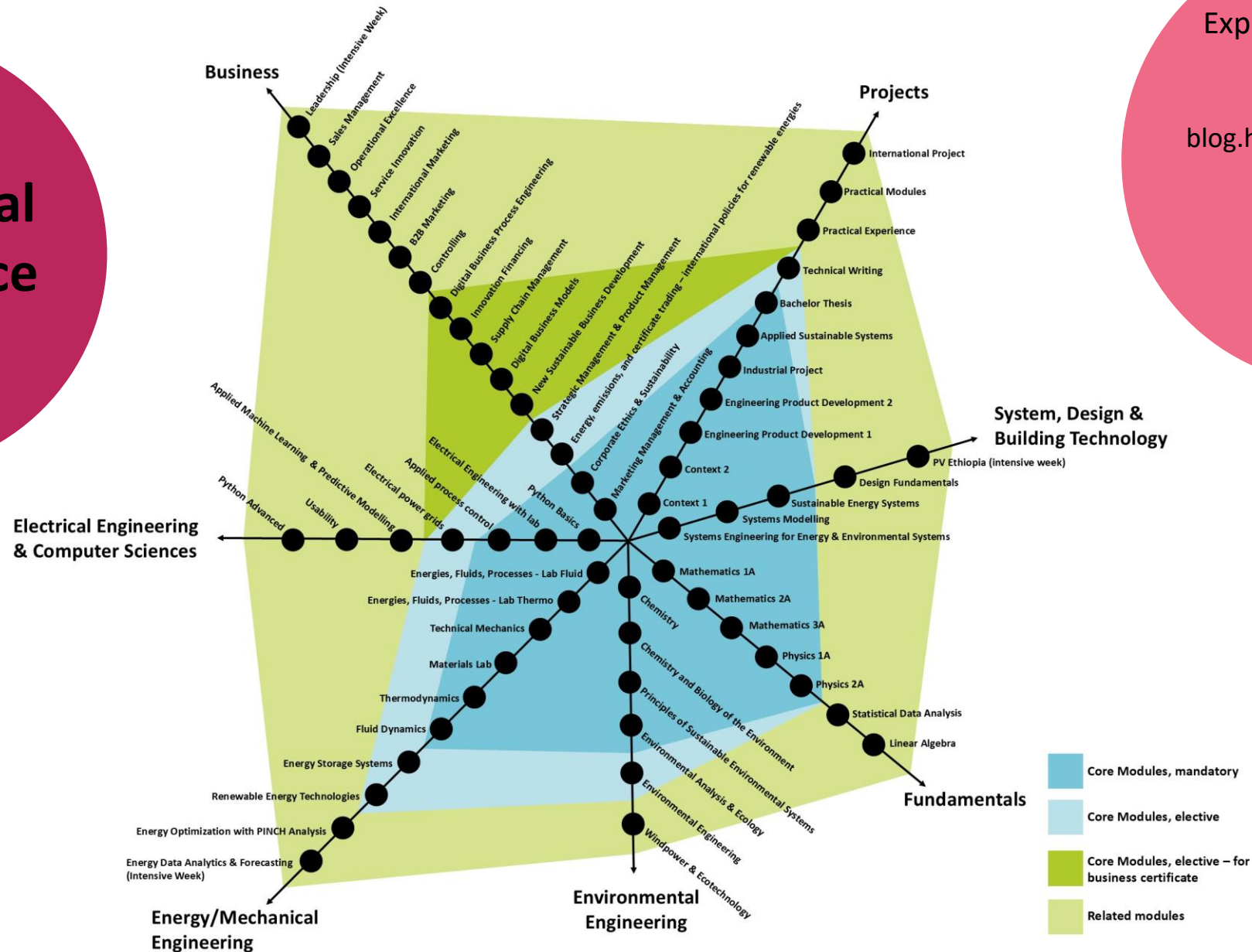
Goal: Planning and commissioning of a 5kW PV system

Cooperation with students of Arba Minch University Ethiopia – “Advanced Solar Training Center”

Photos from the Intensive week in Ethiopia



3. Individual Competence Profile



Explore our modules interactively

blog.hslu.ch/eese/modules





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Which qualifications do I need for studying?

PiBS



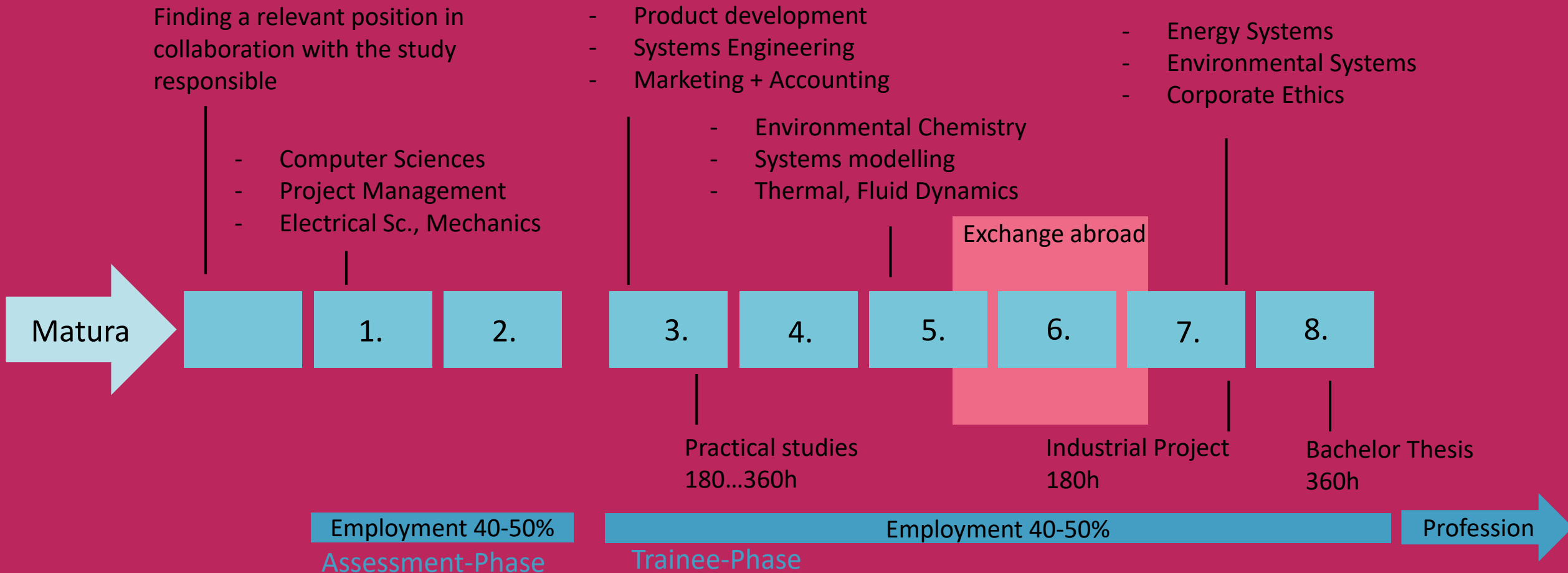
- Training in a technical profession, including a vocational baccalaureate (Berufsmatura)
- Graduation at a vocational school (Fachsmatura)
- School leaving certificate qualifying for admission to university & 12 month internship in relevant field
- CAE Cambridge Advanced English level or equivalent (HSLU offers a certificate as well)



- Other educational qualification after examination
The head of the study program discusses possible paths with prospective students and is happy to advise

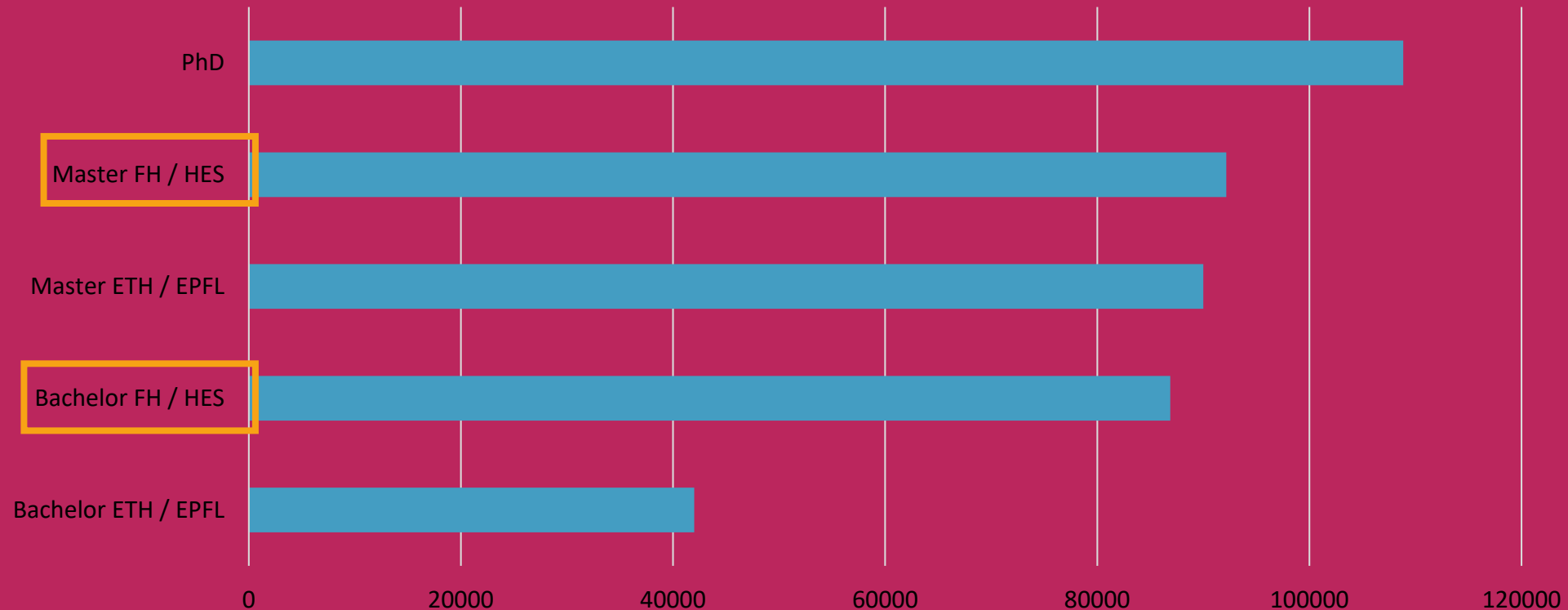
PiBS

Gain work experience from day one & study at HSLU.



Attractive Bachelor

Entry level salary – Annual salary after graduation



Affordable Fees

Registration fee (one time, upon registration): CHF 200

Tuition fees (per semester): CHF 800-1300

Additional costs for teaching materials and excursions (per semester):

Full-time students approx. CHF 250

Part-time students approx. CHF 150



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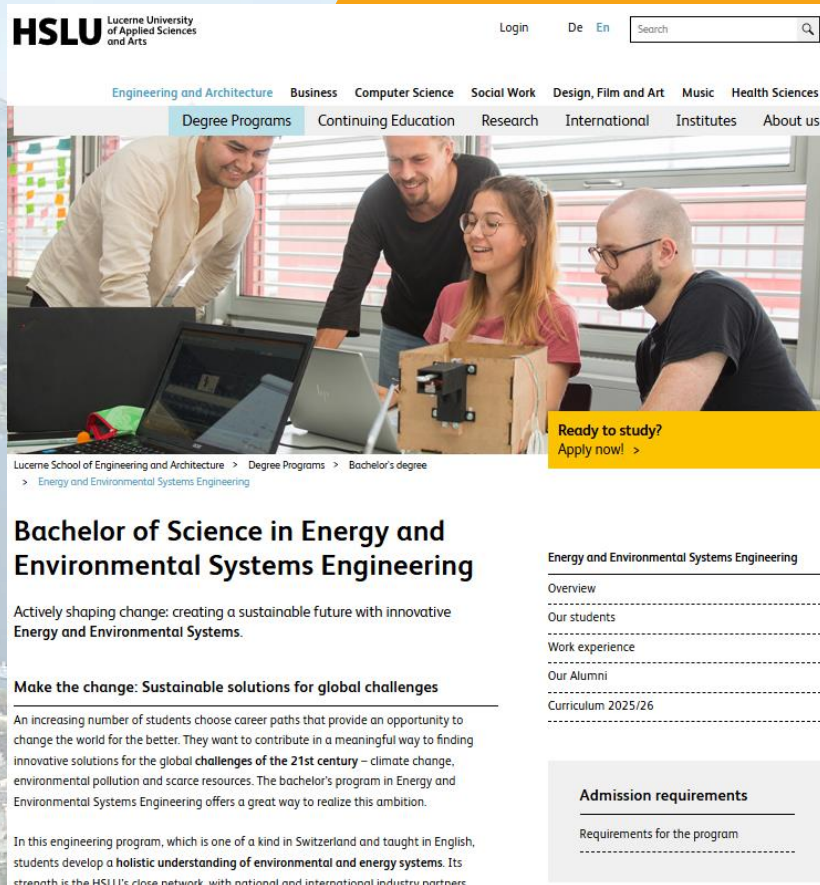
Questions
?



Questions

?

Further information



The screenshot shows the HSLU website header with navigation links for various faculties and a search bar. Below the header is a large image of four students working together on laptops. A yellow banner below the image says "Ready to study? Apply now! >". The main content area features the program title "Bachelor of Science in Energy and Environmental Systems Engineering" and a description: "Actively shaping change: creating a sustainable future with innovative Energy and Environmental Systems." Below this is a section titled "Make the change: Sustainable solutions for global challenges" with a paragraph about the program's focus on sustainable development. At the bottom, there is a section for "Admission requirements" with a link to "Requirements for the program".

HSLU Lucerne University of Applied Sciences and Arts

Login De En Search

Engineering and Architecture Business Computer Science Social Work Design, Film and Art Music Health Sciences

Degree Programs Continuing Education Research International Institutes About us

Ready to study? Apply now! >

Lucerne School of Engineering and Architecture > Degree Programs > Bachelor's degree > Energy and Environmental Systems Engineering

Bachelor of Science in Energy and Environmental Systems Engineering

Actively shaping change: creating a sustainable future with innovative Energy and Environmental Systems.

Make the change: Sustainable solutions for global challenges

An increasing number of students choose career paths that provide an opportunity to change the world for the better. They want to contribute in a meaningful way to finding innovative solutions for the global challenges of the 21st century – climate change, environmental pollution and scarce resources. The bachelor's program in Energy and Environmental Systems Engineering offers a great way to realize this ambition.

In this engineering program, which is one of a kind in Switzerland and taught in English, students develop a holistic understanding of environmental and energy systems. Its strength is the HSLU's close network, with national and international industry partners

Energy and Environmental Systems Engineering

- Overview
- Our students
- Work experience
- Our Alumni
- Curriculum 2025/26

Admission requirements

Requirements for the program

Website: www.hslu.ch/eese

Instagram: [hslu_eese](https://www.instagram.com/hslu_eese)



**Individual study counseling
with the program director**

Students

Alumni

**Program
director**

Students of BSc Energy and Environmental Systems Engineering

English – Holistic – Intercultural – Systematic



Leo Koch

5. Semester

leo.koch@stud.hslu.ch



Maria Clara Silva Silveira

5. Semester

mariaclara.silveira@stud.hslu.ch

Director and Senior Assistant of BSc Energy and Environmental Systems Engineering

English – Holistic – Intercultural – Systematic



Prof. Dr. Anastasia Stamatiou
Program Director

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Dr. Macarena San Martin Ruiz
Lecturer and Senior Assistant

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Thank you for the attention



Goodbye!