

ENERGY TECHNOLOGY, Vasa (Vaasa in Finnish)
(Courses are preliminary and subject to change)

DEGREE PROGRAMME OF ENERGY TECHNOLOGY (Academic year 2020-2021)

Become skilled in the control and optimization of energy systems, explore new innovations in the bio-based circular economy and discover the latest developments in energy generation and storage.

Welcome to the city of Vaasa, the biggest energy industry cluster in the Nordic countries!

Environmental Engineering		15
Sustainability in Engineering Solutions	Autumn	6
- Sustainability in Engineering Solutions, 1 (3 ECTS)		
- Sustainability in Engineering Solutions, 2 (3 ECTS)		
Project Management	Spring	6
Bio-Economy Innovation	Spring	3
Process Technology		15
Energy Technology	Autumn	3
Combustion Engineering	Autumn	6
Energy: Resources, Transfer and Storage	Autumn	6
Energy Control Engineering		15
System Control Methods	Autumn	9
- Digital Logic Basics (3 ECTS)		
- Practical Boolean Control (3 ECTS)		
- Microcontroller Techniques (3 ECTS)		
Fundamentals of Electrical Energy	Autumn	3
Energy Control with AC drives	Spring	3
Energy Design and Optimization		15
Technology: Solutions, Design and Engineering	Spring	3
Distributed Energy Systems	Spring	6
Modelling, Simulations and Optimization of Energy Systems	Spring	6

Mode of delivery and implementation

The programme is designed to support a culture by which students learn through reflective practice and collectively through group interaction and enterprise.

The programme will utilize a range of pedagogical tools: Lectures with in-class activities, modelling/simulation workshops, problem-based calculations, laboratory work, peer-presentations, directed reading and video, prompted discussion and industrial visits.

All delivered by Novia's expert network of lecturers/coaches.

Vaasa Region Tourist Brochure 2019 ([click here](#))

Contact: Novia University of Applied Sciences
P. O. Box 6
FIN-65201 VAASA

International: Camilla Moliis
International coordinator
Phone: +358 44 780 5156
E-mail: camilla.moliis@novia.fi

Roger Mäntylä
International Contact Teacher
Phone: +358 500 563635
E-mail: roger.mantyla@novia.fi