



UNIVERSITY
OF BORÅS

Resource Recovery – Sustainable Energy Processes

MASTER'S PROGRAMME

Today, humans produce vast amounts of waste and other residual material; at the same time, the demand for products and energy is steadily increasing. This increase also applies to needs for nutrients and minerals that then often end up in landfills or the ocean. This Master's programme is for those who want to be a part of the important technological leap forwards towards a circular economy and a more sustainable energy system, either as a researcher, an engineer, or within management.

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MASTER'S PROGRAMME

OUR PROGRAMME IN SHORT

In this Master's programme, you will study the opportunities available regarding the utilisation of waste and residual material. Through thermal treatment methods, you will learn to create valuable and necessary products. It is possible, for example, to produce energy carriers like electricity, heat, and fuels, and at the same time separate inorganic material and important metals for future use in society. This minimises the need for landfills. Your future role focuses on minimising human interference in the natural biosphere. More specifically, the studies include process technologies but also system analysis specifically dedicated to energy purposes.

PROGRAMME STRUCTURE

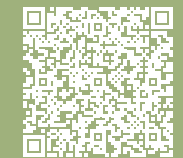
During the first term, you will gain an understanding of the current status and future trends in the field of resource recovery, both globally and nationally. Business and methodological knowledge such as life cycle analysis are also included. The second term focuses on courses in energy recovery, thermal processes, and sustainable energy systems.

The programme ends with a one-year degree project in which you will immerse yourself further in the area that interests you. The degree project can be carried out within the industry or in collaboration with our researchers and doctoral students at the Swedish Centre for Resource Recovery at the University of Borås.

CAREER OPPORTUNITIES

Possible places of employment after graduation are energy companies, consulting companies, research institutes, recycling companies, manufacturers of equipment, public administration, and other industries.

You can work with product or process development or as an environmental manager at a company. Of course, you also have the opportunity to later pursue doctoral studies in the field, in Sweden or abroad.



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"It is a very versatile programme and there is no restriction to any area you would want to venture into in the future."



APPLY AT
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