

Map: Hugo Ahlenius, UNEP/GRID-Arendal http://maps.grida.no/go/graphic/barents_region_topography_and_bathymetry3



Barents Environmental Engineering

Master's Degree Programme (BCBU) in Environmental Engineering
University of Oulu, Finland

Universities participating in the Barents Environmental Engineering Programme (as in November 2009):

- University of Oulu, Oulu, Finland
- Narvik University College, Narvik, Norway
- Arkhangelsk State Technical University, Arkhangelsk, Russia
- Murmansk State Technical University, Murmansk, Russia
- Luleå University of Technology, Luleå, Sweden
- Murmansk State Pedagogical University, Murmansk, Russia
- University of Lapland, Rovaniemi, Finland

Further information:
<http://bcbu oulu.fi>
<http://bee oulu.fi>



Barents Environmental Engineering

The Barents Region is rich in natural resources and high in economic value. The nature is ecologically sensitive and regenerates slowly. Utilization of resources requires both more environmentally friendly processes in industry as well as innovative measures in environmental protection and restoration.

The Barents Environmental Engineering Master's Programme is based in environmental, process, and civil engineering. The curriculum is multidisciplinary, including subjects ranging from socio-economic issues and legislation to ethics and ecology. The programme is developed and carried out in international cooperation.

Two orientations will be opened in September 2010 at the University of Oulu, Finland:

Clean production

- Includes studies on reducing the environmental load of process industry; and provides knowledge on how to manage environmental issues within the industry by application of proper methods, tools and technologies.

Water and environment

- Includes studies on protection and restoration of natural environment, water and soil pollution, water and wastewater treatment, and waste technology.



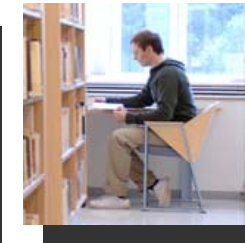
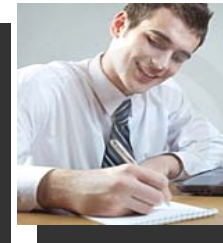
Degree and career prospects

The Barents Environmental Engineering is a two-year, 120 ECTS programme, including an exchange period in one of the participating universities in Norway, Sweden or Russia. Graduating students will be awarded a degree of Master of Science in Engineering from the University of Oulu, a diploma from the university where exchange period has been taken, and a BCBU certificate.

Graduates of the programme enter the job market as experts in environmental engineering, with specialization in Barents environmental conditions and skills to understand international contexts of environmental issues. Therefore, graduates can work in a wide range of business sectors, local and regional public administration as well as environmental authorities or research institutes, not only within the region, but also in international tasks.

Call for applications

- Call will be open from December 1st 2009 to February 1st 2010
- Further information: <http://bee.oulu.fi>

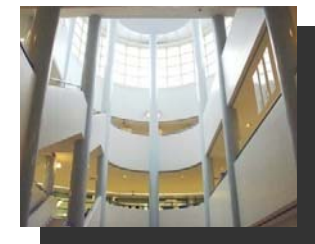
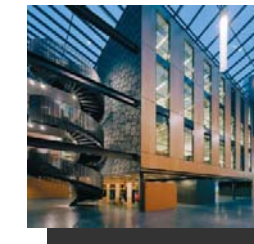


Admission requirements

The applicant should have

- Good or excellent grades in basic studies in Mathematical Sciences (e.g. mathematics, physics/chemistry)
- University-level Bachelor degree in applicable fields of engineering (civil, environmental, process, chemical, etc.), or equivalent degree, suitable for engineering studies (chemistry, geology, environmental sciences, physics etc.)
- Good command of English for academic purposes
- Interest in the Barents Region

For more detailed information, visit <http://bee.oulu.fi>



The University of Oulu

The University of Oulu is a multidisciplinary research university, one of the largest in Finland. Students at the University enjoy state of the art teaching methods and education technology and a stimulating and welcoming learning environment. Personal study plans are prepared for each student together with the academic teaching staff. The University of Oulu offers the most modern study facilities and excellent ICT resources for all the students.