

Ecotechnology and Sustainable Development

International Master's Programme

Become an environmental specialist and open the door towards better career opportunities!

120 ECTS CREDITS



Mittuniversitetet

MID SWEDEN UNIVERSITY

The Master's Programme

Mid Sweden University offers education in Ecotechnology and Sustainable Development. This interdisciplinary international master's programme emphasizes both the conceptual and the practical aspects of ecotechnology, environmental science and sustainable development.

Mid Sweden University is an energetic and modern educational establishment where students can thrive and develop their skills. Immersed in this intellectually positive atmosphere, the master's programme is evolving to address new environmental challenges. The programme continues on the long tradition of environmental education in Östersund. Ecotechnology has been developed and practiced here since 1983, with its roots in the seventies. Those early environmental studies in Östersund have become a source of inspiration for Swedish environmental education in general.

International Studies

The master's programme in Ecotechnology and Sustainable Development has so far attracted numerous students from around the world. Employers on the national and international scene recognize the ecotechnological and the environmental science expertise of the Mid Sweden University master's programme. Many of our students are currently working as environmental engineers, analysts or consultants, or they are enrolled in doctoral level studies pursuing their careers in ecotechnology and environmental science.



Holistic Approach

The master's programme in Ecotechnology and Sustainable Development at Mid Sweden University aims to build and strengthen the competence needed for a holistic approach towards sustainable development. The approach has a strong interdisciplinary focus on scientific, political, legal, economic and engineering aspects needed when facing environmental challenges.

Application Deadline

Please note that there are different application deadlines for free-mover, international applicants, exchange students and for Swedish citizens and permanent residents. It is important that you submit your application on time. The earliest deadline is that for international free mover students and it is usually set at the beginning of the calendar year.

For the application deadline and the current application procedure visit:

<http://www.miun.se/ecosud>

Background

In the programme Ecotechnology and Sustainable Development emphasis is placed on developing a broad understanding of limitations and possibilities of the utilization of natural resources from different perspectives. Advanced methods and approaches are applied to identify and describe issues and possible solutions within the complex framework of sustainable development. This education also provides proficiency in carrying out the process of innovation and implementation of ecotechnology through a systematic approach.

The scope of the programme is international and multicultural. The programme is recommended for those who will work within the broad areas of environmental issues and sustainable development in academia, research and development, companies, national organizations, international organizations, and different authorities in developed as well as developing countries. Students that are taking this Master's specialization share an interest in sustainable development, combined with a background in science, environmental science, ecotechnology, media, engineering, and/or other relevant academic qualifications.



Programme Structure, Duration and Financial Matters

The master's programme in Ecotechnology and Sustainable Development takes two years (4 semesters) to complete. The first year is devoted to the environmental science and engineering. The courses cover the concept of sustainability, ecotechnology, innovation systems and diffusion of technology, and implementation processes. The second year is devoted to a student's choice of courses in the autumn semester and master's thesis on a relevant topic in the spring semester. Students graduate with a master's degree in environmental science.

The programme is open to students from all over the world and English is the official language. No knowledge of Swedish language is required. Tuition expenses are covered by the Swedish government. However, students are expected to cover living costs, insurance and student union fee (approximately SEK 7 500 per month).

The number of available places in the programme is limited.

Admission Requirements

Applicants must hold a bachelor's degree that includes at least 45 ECTS (1,5 full semesters) of environmental science or equivalent academic qualifications. Proven proficiency in English is also required. For the information that should be included in your application visit:

<http://www.miun.se/ecosud>



Courses Included

Semester 1 (autumn):

- Technology and Society from an Environmental Perspective 7,5 ECTS
- Climate Change, Impact and Action Strategies 7,5 ECTS
- Methodology from a System Perspective 7,5 ECTS
- Instruments for Sustainable Development in an International Perspective 7,5 ECTS

Semester 2 (spring):

- Innovation Systems and Diffusion of Technology 7,5 ECTS
- Ecotechnology 15 ECTS
- Energy and Material Flow Assessments 7,5 ECTS

Semester 3 (autumn)

- Student's choice of courses 30 ECTS

Semester 4 (spring)

- Master's Thesis (Individual Assignment) 30 ECTS

The programme starts in the first week of September. Academic year schedule may be subject to change.

Mode of Teaching

Academic lectures are given by professional experts and research scientists. In addition, the university's modern approach to advanced teaching frequently includes project-based studies and exercises carried out in groups or individually. In order to develop both the competence for individual work and interpersonal skills, real life in-hand training is included. Students will have the opportunity to explore real case studies in close cooperation with relevant organizations in the community. Detailed information on distribution of credit points, modules, and evaluation procedures will be provided at the beginning of each course.



"I know a lot of students who have graduated from Engineering programs in Canada with green interests but no experience, I think the ECOSUD program could be the answer for them as well."

Michael Williams
Canada

"The ECOSUD program has given me that environmental background and has allowed me to get my career headed in the green direction I wanted."

Justin Downey
Canada



"Joining the program really deepened my understanding of the environmental issues and working in an international group opened my eyes for different ways of thinking."

Ulla Kananen
Finland

Östersund – quality of life in Sweden

The city of Östersund and its surroundings offer excellent opportunities for a high quality of life. More information in English can be found on: <http://www.ostersund.se/> or <http://www.turist.ostersund.se/> and general information about Sweden on: <http://www.sweden.se>

Further information regarding the programme can be obtained from: Ecotechnology, Department of Engineering, Physics and Mathematics Mid Sweden University, SE-831 25 Östersund, SWEDEN.
Tel: +46 63 16 55 10, fax: +46 63 16 55 00.
E-mail: ecosud@miun.se or web <http://www.miun.se/ecosud>.



Mittuniversitetet

MID SWEDEN UNIVERSITY

Phone +46 771 97 50 00 • www.miun.se