



Foto: Bengt Weiler

**Master's Program in Ecotechnology  
and Sustainable Development**  
(60 credit points, 90 ECTS credits) at Mid Sweden University  
[www.mh.se/ecosud](http://www.mh.se/ecosud)





**Mid Sweden University with approx. 12 500 students and 1 000 employees, is a multi-campus university based in Härnosand, Sundsvall, Örnsköldsvik and Östersund. The Master's Program in Ecotechnology and Sustainable Development will be given in the Campus of Östersund.**

The Master's Program in Ecotechnology and Sustainable Development at Mid Sweden University aims to build and strengthen the competence needed for a holistic approach towards sustainable development through an efficient use of natural resources. The approach has a strong interdisciplinary focus on social, technical, environmental, and economical aspects of natural resources and their use in a context of sustainable development.

#### **Background**

The program Ecotechnology and Sustainable Development provides a broad but systematic education, which covers a wide array of interdisciplinary studies on society-resources-environment. A strong emphasis is thus placed on developing a wider understanding of limitations and possibilities of the utilization of natural resources in 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 a systematic approach to environmentally sound innovation-to-implementation of ecotechnologies.

The scope of the Ecotechnology and Sustainable Development program is international and multicultural. The program is recommended for those who will work within the broad areas of ecotechnology and sustainable development in academia, research and development, companies, national organizations, international organizations, and different authorities in developed as well as developing countries. Target students share a common interest in sustainable development, combined with a wide background in arts, science, environmental science, ecotechnology, any discipline in engineering, and/or other relevant academic qualifications.

#### **Program structure and duration**

The curriculum spans one and a half year (3 semesters), of which one semester contains an individual thesis-project on a relevant subject. The courses cover the concept of sustainability, innovation systems, diffusion of technology, scenario studies and implementation processes. Target students have an interest in sustainable development, combined with a background in arts, engineering, science and/or other relevant academic qualifications.

Successful completion of the program in Ecotechnology and Sustainable Development results in the awarding of the degree of Master of Science in Environmental Science at Mid Sweden University. The program language is English. The program is open to students from all over the world and is free of charge, but the number of students accepted is limited.

### Courses included

#### Semester 1 (autumn 2004)

Environmental Science: 'Technology and Society'	5 credits
Environmental Science: 'Instruments for Sustainable Development'	5 credits
Environmental Science: 'Advanced Ecotechnology'	10 credits

#### Semester 2 (spring 2005)

Environmental Engineering: 'Environmental Systems Analysis'	5 credits
Environmental Engineering: 'Innovation Systems and Diffusion of Technology'	5 credits
Environmental Science: 'Sustainable Development – Theory and Practice'	10 credits

#### Semester 3 (autumn 2005)

Environmental Science: 'Thesis Project/Individual Assignment'	20 credits
--	------------

The sequence of courses might be changed.

### Mode of teaching

In addition to formal lectures from professional experts and research scientists, teaching will frequently be in the form of project-based studies and exercises, in group or individually. To develop the competence for individual work, in-hand training is included in the form of real case studies in close cooperation and interaction with relevant organizations. Detailed information about distribution of credit points, modules, and evaluation procedures will be given by the beginning of each course.

### Admission Requirements:

1. Previous Studies: applicants must hold a Bachelor's degree in arts, engineering or science and 30 credits in environmental science, or equivalent academic qualifications.
2. Language requirements: A good level of knowledge of written and spoken English is required. Proficiency in English proven by one of the following: a) for students from Nordic countries completed English courses from upper secondary, high-school or beyond, or b) English as native language or c) proven by transcripts of TOEFL score (minimum 550 or 213 in compu-

ter based), IELTS score (average 5.5), TOEIC score (above 700). No knowledge of Swedish language is required.

### Financial Aspects:

While the students do not pay any tuition fees at Mid-Sweden University except the student union fee (SEK 280 per semester), they must cover all living and insurance costs in Sweden (which are approximately SEK 7 200 per month). Housing for students is guaranteed by the municipality of Östersund. Scholarships could be applied from Swedish Foundation for International Cooperation in Research and Higher Education (STINT), Swedish International Development Cooperation Agency (Sida), and Swedish Institute (SI), which are foreseen to be very competitive. Mid Sweden University or the respective department does not offer any kind of scholarship or financial support to students.

### Application Procedure:

Application:

The application form can be found and downloaded from the web-link <http://www.mh.se/internationaloffice/> or can be obtained in hard copy from:

International Office  
Mid Sweden University  
S-851 70 Sundsvall, SWEDEN

All necessary practical information (visa, insurance, traveling, financial matters, accommodation, registration, welfare, etc. can be found from the following web-site <http://www.mh.se/internationaloffice/>

Application should contain the followings:

- Completed application form
- A cover letter explaining applicant's field of studies and practical experiences
- Applicant's detailed Curriculum Vitae
- Certified copies or transcripts of applicant's original study records (must be in English or translated to English)
- Two letters of recommendation
- Where necessary a certified proof of applicant's proficiency in English

Application code: IEEO60

**The completed application form with the necessary attachments should be sent within the application period January 15–March 15, 2004 to the adress:**

**Cathrine Gladh  
Mid Sweden Univeristy  
S-851 70 Sundsvall  
SWEDEN**

**The program is planned to start on August 30, 2004.**



### **Östersund – quality of life**

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/>

<http://www.turist.ostersund.se/>

and general about Sweden

<http://www.sweden.se/>

### **Further information**

regarding the program and other relevant information can be obtained from:

**[www.mh.se/ecosud](http://www.mh.se/ecosud)**

Dr. Per-Åke Vikman

Ecotechnology

Department of Natural and Environmental Sciences

Mid Sweden University

S-831 25, Östersund, SWEDEN

Tel: +46 63 16 54 72 Fax: +46 63 16 54 50

E-Mail: [ecosud@mh.se](mailto:ecosud@mh.se)

