JOINT MASTER DEGREE PROGRAMME IN

ENVIRONMENTAL TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT (ETSuD)

Asian Institute of Technology, Thailand &
UNESCO-IHE, Delft, The Netherlands

The ETSuD MSc programme is specifically designed for addressing local as well as global challenges and shortages facing the persistent environmental problems. This unique programme is offered by two premier leading institutions in water research and education, UNESCO-IHE in Europe and AIT in Asia. The degree combines core courses from the fields of environmental technology, chemical engineering, environmental biotechnology, and other courses from the fields of environment and climate change. This unique curriculum as well as the programme itself blends the academic framework required for environmentally-friendly technologies and practices with the aim of meeting the requirements for today’s and tomorrow's businesses.
Context

The ETSuD programme prepares students for careers in environmental engineering, water quality management, environmental system analysis, cleaner production of processes and sustainable development, which is in high demand in both private and public sectors. The ETSuD program offers course options that allow students to follow courses specific to the requirements of the area of sustainability, and wide range of elective courses that they find it interested in pursuing. The program delivers prospective students a Joint Masters degree that will enable them to provide practical solutions to persistent environmental issues worldwide.

Core values

1. Sustainable Development
2. Environmental Technologies
3. International Exposure
4. Solution Oriented Education
5. Joint MSc Degree Programme
6. Skilled Manpower Development

Asian Institute of Technology, Thailand

The Asian Institute of Technology (AIT) is an international institute of higher learning, based in Thailand and having affiliated centers in selected countries across the world.

The School of Environment, Resources and Development (SERD) values creative research and a solid understanding of the fundamentals of many cutting-edge fields of study in engineering and technology, leading to Bachelor’s, Master’s and Doctoral degrees.

UNESCO-IHE, The Netherlands

The Institute is the largest water education facility in the world, and the only institution in the UN system authorized to confer accredited MSc degrees, and provides PhD education in collaboration with partner universities. The mandate given by UNESCO to IHE is to: strengthen and mobilize the global educational and knowledge base for integrated water resources management; and contribute to meeting the water-related capacity building needs of developing countries and countries in transition.
A 2-year, joint degree programme is offered by the Asian Institute of Technology (AIT) in Thailand and UNESCO-Institute for Water Education, The Netherlands. For a unique experience in Europe and Asia, students study for their 1st semester (Aug-Dec) at the School of Environment, Resources and Development (SERD) of AIT, and for their 2nd semester (Jan-July), students are offered module-based subjects at UNESCO-IHE. The students carry out their MSc thesis in the 3rd and 4th (Aug-May) semester at AIT.

Prospective students and degree
The target groups for the ETSuD programme are young (mid-career) professionals having a Bachelor’s degree in relevant fields that may contribute to Environmental Technology for Sustainable Development (ETSuD). Professionals from ministries, departments, and authorities (for example: the fields of nature and environment, pollution prevention and control, public works, and sustainable development), environmental organizations and associations, universities and research institutes, civil society organizations, and consultants are welcome to apply for this joint degree programme. The programme is taught in English. Thus it is vital that students have an adequate level of spoken and written English. More information on English language requirements for this programme can be found at: www.unesco-ihe.org/node/323. Successful master students will receive the Master of Science degree in Environmental Science for Sustainable Development, awarded jointly by AIT and UNESCO-IHE.

Student's corner
Kenichi Umeyama (Japan): I chose this programme because I can study at two well-renowned international research organizations, located in both developed and developing countries. In addition, it also provides me with the unique opportunity to expand and develop my network with students and professionals from all over the world.

Machodi Mathaba (South Africa): The programme offers the perfect ambience to get equipped with water and environmental management skills, knowledge acquired from both Asia and Europe. The added advantage is that we get involved in the engineering, science and practical aspects of sustainable development, for understanding/deciding the better choice of production practices, resource reduction and waste generation options in order to preserve environmental sustainability.

Emelda Orakwue (Nigeria): The ETSuD programme has provided me the ability to unrelentingly find sustainable solutions for environmental issues such as wastewater treatment, solid waste management, air pollution and industrial and hazardous waste treatment, without compromising economic development. It is a great opportunity for me to learn, share knowledge, and gain hands-on experiences in both developed and developing nations.

Issah Dawd (Ghana): The ETSuD programme not only offers the advantage of obtaining the joint degree, but more importantly I gained the experience of studying in two different international institutions, located in two different continents.
ETSuD programme coordinators

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Application procedure

FOR UNESCO-IHE: Interested candidates have to apply online via the UNESCO-IHE website: www.unesco-ihe.org/msc-programmes/specialization/environmental-technology-sustainable-development-

FOR AIT: You can download the application form from AIT’s website: www.ait.ac.th/admissions/application.html and submit the completed form with required documents. Alternatively, you can also submit your application online from the same website.

SCHOLARSHIPS: More information on scholarships can be found on the UNESCO-IHE website. If you belong to NFP eligible country, you are advised to apply always for this fellowship. The deadline of application for NFP scholarship is 1 February for the master programme that will start in August. You are advised to apply for as many scholarships as possible in order to increase your chances of getting financial assistance.

APPLICATION DEADLINE: The application deadline for the Joint Degree programme is 31 May. However, the application deadline for scholarships, is usually much earlier, depending on the type of scholarship you are going to apply for. Applications can be sent throughout the year.

For more information concerning the academic programme and admissions:

UNESCO-IHE: Please contact fellowship and admission officer (Ms. Ineke Melis) at UNESCO-IHE by e-mail: i.melis@unesco-ihe.org
For more information about the course contents, and to have an informal discussion, please feel free to send an email to our teaching staff, Eldon R. Rene (e.raj@unesco-ihe.org)