M.A. SUSTAINABILIT Y ECONOMICS AND MANAGEMENT (SEM)

The master program Sustainability Economics and Management (SEM) focuses on management training to deliver solid business knowledge and a survey of fundamental economic and social questions relating to sustainability in companies, government, scientific and international institutions. Specifically, issues relating to environmental and economic resources, as well as business in the Bertelsmann tactics for handling economic and social problems, are dealt with in the program. With courses in law and natural sciences, in combination with optional modules from other fields (e.g. renewable energies, environmental planning, environmental management), it is designed to achieve the educational spectrum. The program is internationwidly integrated with partner universities with similar educational orientations.

Admission: B.S.c. degree in business sciences, social sciences, natural sciences, engineering or an equivalent qualification. Basic knowledge of business sciences, approved by each CTP microeconomics, economic policy, business studies and information engineering.

Tuition and fees: 700 Euro/term

A 2-year degree (4 terms)

M.Sc. POSTGRADUATE PROGRAMME RENEWABLE ENERGY

The three term non-consecutive master's programme (M.A., accredited) addresses scientific and practical issues particularly from southern countries with a minimum of a seven-term B.Sc. degree. The programme began 1987. It is theoretical and applied introduction to all basic renewable energy systems and plays the main role in this program. In addition to a two-month practical training in one of various institutions worldwide and a six-month master thesis, students work on an energy case study in small workgroups. Through close cooperation with universities, research establishments, institutions of international development cooperation, private businesses and more than 300 alumni from more than 90 countries a professional network has been established.

Admission: Bachelor degree in engineering or natural sciences after a minimum of seven terms

Tuition and fees: 1000 Euro/term (no tuition fees for DAAD scholarship holders)

A 15 months degree (3 terms)

M.Sc. EUROPEAN RENEWABLE ENERGY CENTRES

The internationally oriented master's program is organized on an European level by the European Renewable Energy Centres (EUREC) Agency and is currently hosted by 12 universities in 5 European countries. The postgraduate studies (three terms) starts annually in February and consists of three stages: Basics of Renewable Energies (sun, wind, water and biomass) are introduced offered at universities in Liverpool/S.R.I.M in England, ECO de Mèxico (FR in French, Zaragoza (ES, in Spanish) and in Oldenburg (DE, in English). After an obligatory change of university students specialize in the area of Photovoltaics (U Northumbria, UK), Solar Energy in the Bulk Environment (U of Athens, Greece), Hybrid Systems (U Kassel, DE), Bioenergy (U of Zaragoza, ES) and wind Energy (Nat.Tech. U of Athens, Greece). At this stage all lectures are held in English. A master thesis project completes the program.

Admission: A.B.Sc. degree in engineering or natural sciences

Tuition and fees: 750 Euro/term for students from an EU country, 10000 Euro/term for students from a non-EU country

A 3 terms degree, each at a different university in Europe

M.A. SUSTAINABILITY ECONOMICS AND MANAGEMENT

The master program Sustainability Economics and Management (SEM) focuses on management training to deliver solid business knowledge and a survey of fundamental economic and social questions relating to sustainability in companies, government, scientific and international institutions. Specifically, issues relating to environmental and economic resources, as well as business in the Bertelsmann tactics for handling economic and social problems, are dealt with in the program. With courses in law and natural sciences, in combination with optional modules from other fields (e.g. renewable energies, environmental planning, environmental management), it is designed to achieve the educational spectrum. The program is internationally integrated with partner universities with similar educational orientations.

Admission: Bachelor degree in business science, social science, natural sciences, engineering or an equivalent qualification. Basic knowledge of business sciences, approved by each CTP microeconomics, economic policy, business studies and information engineering.

Tuition and fees: 700 Euro/term

A two-year degree (4 terms)
M.Sc. ENVIRONMENTAL MODELING

Many activities of environmental monitoring, environmental planning and environmental research deal with large data sets with high spatial resolution. Meteorological networks, which acquire data in cycles of seconds or minutes in some cases, are clustered in Europe. Policy consultation needs progresses based on this data. Only the use of complex models and decision supporting systems enables such progresses. Many programs offer education for data acquisition or data mapping but give less information about how to process and extrapolate the data temporally and spatially. The master’s program Environmental Model- ing aims to close that gap by combining environmental problem solving with economical approaches, together with methods used in mathematics and computer sciences. Research projects at the interdisciplinary CIM offer students the motivation and the possibility to work within a group of scientists.

Admission: Bachelor degree in math, business or computer sciences.
Tuition and fees: 750 Euro/Term
A two-year degree (4 terms)

M.Sc. WATER AND COASTAL MANAGEMENT

The Universities of Oldenburg and Groningen are located in the German-Dutch region geographically and historically close. A joint-wide effort towards an integrated management of seas, coasts and rivers originates new vocational fields. To make them accessible researchers and instructors of both universities have combined their strengths and their different national approaches under one roof for the practical oriented, English master’s program Coastal Zone Management. The program involves studies in both countries with earned degree in both countries. Case studies in dialogue with society investigate how mathematical-natural sciences, spatial planning and economical-scientific methods can be successfully connected in sustainable land use development.

Admission: A bachelor degree in a scientific program.
Tuition and fees: 1800 Euro/Term
A two-year double degree (4 terms),
University of Oldenburg and University of Groningen, Netherlands

M.Sc. MARINE ENVIRONMENTAL SCIENCES

Modern environmental research demands experts who are able to analyze the complexity of natural areas and to introduce competent knowledge to tasks in environmental management. Along with this, the nationally unique masters program Marine Environmental Sciences offers the needed comprehensive environmental and scientific education with focus on natural systems - off-shore an onshore. The ability to connect a wide variety of mathematical and scientific procedures and methods is the main focus of the studies. Included, along with theoretical study contents, is essential practical training from data analysis strategies to application of powerful equipment for chemical and microbiological environmental analysis. Studies are closely geared with up to date research projects of the internationally recognized ICBM.

Admission: A bachelor degree in environmental sciences or a similar scientific program.
Tuition and fees: 750 Euro/Term
A two-year degree (4 terms)

M.SC. BUSINESS INFORMATION SYSTEMS – VERY LARGE BUSINESS APPLICATIONS

The increasing demand for sustainable strategies and the success of sustainable investments pressure companies to consider environmental issues on a strategic level, going beyond legal compliance. Management is increasingly supported in this task by Corporate Environmental Management Information Systems (CEMIS). Such systems are targeted at optimizing material and energy flows, minimizing emissions and waste, and establish production-integrated environmental protection. Management requires complex information systems, which have to harmonize economic and ecological goals. In order to deal with this complexity, there is a need for highly educated personnel, which has knowledge in environmental management, technologies, and has comprehensive insight about optimization of business processes under environmental view points.

Admission: Bachelor degree in informatics, business informatics, industrial engineering, business administration or a similar scientific program.
Tuition and fees: 750 euro/term
A two-year degree (4 terms)