

Environment and Energy Master Program

Drawing on the escalating demand for energy efficiency and conservation, the environment and energy master program is a synergy educational program which;

- Provides students with knowledge for the recognition and understanding of the major features of the global energy issues, sustainable energy technologies and interactions with energy economics and policy;
- Develops skills in methods of energy system analysis that allow this knowledge to be applied in practice;
- Fosters the acquisition and implementation of broad research and analytical skills related to sustainable energy;
- Prepares students with a wide range of transferable and marketable skills and knowledge leading to employment opportunities in a variety of roles within the energy field and associated industries.

Program structure and award requirements

Course code	Course title	CH
Core Module		
2001770	Energy and environment	3
2001771	Renewable energy techniques	3
2001772	Energy auditing and conservation	3
2001773	Energy policy and Economics	3
2001721	Applied statistics (2)	3
Elective Module		
2001701	Environmental Systems and Physical Environment	3
2001702	Principles of applied ecology	3
2001704	Natural resources	3
2001713	Methods of environmental measurements	3
2001715	Geographic information systems	3
2001717	Air pollution	3
2001719	Atomic radiations (effects and protection)	3
2001720	Operations research and environmental modelling	3
2001727	Biomass and energy	3
2001774	Fuels, Combustion, Heat Insulation and Heat Transfer	3

Students are awarded the degree when;

- Passing 24 credits for courses with a CGPA of at least C⁺.
- Successfully preparing and defending the master dissertation.
- Passing an English language proficiency test as per the University bylaws.

Career prospects of the graduates

The energy and environment master degree helps students develop skills to pursue careers in, and make an impact on, the energy industry, the energy investment sector, the public sector and non-governmental organizations.