

# Master of Energy Management

03<sup>rd</sup> enrollment

Sustainable power generation and utilization has become very critical global issue, especially in the backdrop of depleting fossil fuel reserves and global environmental impacts. With the sharp increase in demand for electricity in domestic as well as commercial and industry sectors, Sri Lanka must seriously pay attention to sustainable generation and use of energy to alleviate the unfavorable impacts. Many countries employ qualified personnel as Energy Managers and Energy Auditors to deal with energy related problems in the organizations.

Recognizing the importance of this sector and keeping with international trend, the Energy Auditing was recognized in Sri Lanka as a profession by the Government through a Gazette notification (No. 1715/12 July 20, 2011) published under the Sri Lanka Sustainable Energy Authority (SLSEA) Act No. 35 of 2007.

According to the gazette regulations clear career development paths for Energy Managers and Energy Auditors have been established and SLSEA provides national accreditation for these two positions based on specific training undertaken and experience gained on energy management and auditing. This Study Program leading to the award of Master of Energy Management is expected to fill the gap that prevents many graduates who aspire to become professionals in the energy sector as energy managers and energy auditors, and supports to enhance the knowledge of those who are working in different capacities in the energy sector



Apply Online from  
22<sup>nd</sup> November  
to  
21<sup>st</sup> December 2021

Online Application  
<https://reginfo.ou.ac.lk/applyonline/>

A unique UGC approved  
SLQF Level 9 one year  
Master Degree Program

## Entry Requirements

- A Bachelors Honours Degree in Engineering in the specializations of Mechanical, Mechatronics, Electrical, or Chemical Engineering of at least 120 SLQF credits obtained from a recognized university, or
- A Bachelors Honours Degree in Engineering of at least 120 SLQF credits obtained from a recognized university in any other specialization and one year of post-qualifying experience in the relevant field, or
- A Bachelors Degree in Science of at least 90 SLQF credits with Physics and Mathematics as subjects obtained from a recognized university, and two years of post-qualifying experience

## HIGHLIGHTS

- First Study Program in this type in Sri Lanka
- Extensive group activities in the form of mini projects, case studies and discussion sessions
- An Energy Audit project in the industry
- Two online courses delivered by the experts abroad
- Affordable fee
- A Qualification by a recognized state University

## CURRICULUM

- Energy and Environment
- Thermal Energy Utilities
- Electrical Energy Utilities
- HVAC and Building Lighting
- Renewable Energy Technologies
- Energy Policy and Planning
- Energy Management and Auditing
- Combined Energy Systems for Efficient Energy Use
- Research Project
- Planning and Implementation of Energy Projects
- Financial Management
- Human Resources for Energy Sector

## PROGRAMME FEE

Rs. 215,000/= payable in two installments

USD 1,800 payable in two installments for foreign nationals

## FURTHER INFORMATION

**Eng. (Ms.) Sumudu Jatunarachchi**  
**Program Academic Coordinator**  
**Tele: +94 (0) 70 213 2099**  
**Email: tssaj@ou.ac.lk**

**Eng. Ruchira Abeyweera**  
**Program Coordinator**  
**Tele: +94 (0) 777821752**  
**Email: mem@ou.ac.lk**



## Program Outcomes

Those who successfully complete the Study Program will be able to deal with issues related to energy policies and management with a sound knowledge on new technologies in view of contributing to energy conservation by eliminating losses and optimally utilizing the energy sources with utmost consideration paid to the environment. In particular, they will assess the status of the organization in respect of energy utilization, and thereby identify and evaluate alternatives, plan, implement and monitor the best alternatives for improving. Further, they will be able to carry out comprehensive energy research in an organization or a facility, identify opportunities for energy efficiency improvements, and recommend remedial actions along with economic feasibility plans. These types of requirements are fulfilled through a Master degree by course work as academic qualification supported with enough practical exposure in the relevant field of study.

## Teaching-Learning

Intended Program outcomes are to be achieved through student centered activities guided by the internal staff and external resource persons. The courses are delivered in mixed mode in view of guiding students in the right direction to achieve the outcomes. These would include day schools/lectures, online classes and printed instructional materials. Practical training will be provided through reputed organizations in the energy sector. Most of the materials for supporting learning process are provided by the OUSL, Sri Lanka Sustainable Energy Authority and other private sector organizations. The Department of Mechanical Engineering will compile them as appropriate in the form of handouts and links provided through the internet or in printed form. Many of the face to face sessions are conducted by experts in the industry and the universities.

**Department of Mechanical Engineering**

**Faculty of Engineering Technology, The Open University of Sri Lanka**