



كلية الهندسة
College of Engineering
QATAR UNIVERSITY جامعة قطر

Master of Science in Environmental Engineering



About the Program

The Environmental Engineering Master Program is a multidisciplinary curriculum aimed at engineering and science graduates who wish to pursue graduate studies to enhance their knowledge in environmental subjects and gain experience in engineering solutions to environmental problems generated by industrial growth with sustainable natural resources.

The environmental engineering master program will equip the graduate students with a firm science foundation related to the environment, engineering design and problem solving skills required to address contemporary environmental issues at a time where natural resources are heavily utilized.

The environmental engineering master program curriculum is designed to benefit both practicing engineers and those contemplating pursuing a research oriented career.

About the Curriculum and Coursework:

Students enrolled in the program are required to complete a minimum of 31 credit hours of coursework and 4 credit hours of thesis. A typical duration of the program is four semesters (two years) and the maximum duration is eight semesters (four years). The Program is offered for both part- and full-time students.

Degree Requirements:

The master degree requires a minimum of 35 credit hours of graduate-level course work for the thesis or the project options. The students with the Project option should pass a comprehensive exam.

- A total of 19 credit hours in Core Requirements
- A minimum of 16 credit hours in either the project option or the thesis option as detailed below:
 - Project Option: A minimum of 4 credit hours in the Project Option requirement package and 12 credit hours in the Major Electives package.
 - Thesis Option: A minimum of 7 credit hours in Thesis Option Requirements package and 9 credit hours in the Major Electives package.

Research Interests/Emphasis:

Focus areas in environmental engineering Include; Air pollution control and abatement, Industrial hygiene, Hazardous waste management, Toxic materials control, Water supply, Wastewater management, Soil remediation & land management, Solid waste disposal and Industrial wastewater treatment

Facilities:

The program mainly uses the facilities in the department of chemical engineering. This includes Analytical Research Laboratory and facilities at the Gas Processing Center and the department of civil engineering.

Potential Careers:

Environmental engineering master program offers graduates opportunities to work in several domains of environmental protection. The degree will enhance prospects for potential employment in Governmental bodies, national and international industries located in and outside Qatar as well as with service and utility providers among others. Also, potential employment opportunities exist with consulting companies and research institutions.

Financial Support:

A number of funding opportunities are available for graduate students through external and internal sources such as the National Priority Research Program (NPRP) of Qatar Foundation and Qatar University internal grants. Qualified graduates can also apply for graduate assistantships that are provided by Qatar University.



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