Curriculum for MSc Program in Environmental Health

Prerequisites:

Medical Systems Information Technologies

Application of statistical methods in environmental health

Industrial wastewater treatment

Principles of Hydrology and Hydrogeology

Unit Operations and Processes in Environmental Health Engineering

Environmental Ecology

Technical language

Teaching methods and techniques

Research methodology in health sciences

Core modules:

Air pollution control

Designing **wastewater treatment plants** (WWTP)

Designing water treatment plants

Solid waste management

Water resource management

Industrial wastewater management

Evaluating the effects of development on the environment

Application of Advanced Techniques in Pollution Analysis

Internship

Non-core modules:

Sewage management in small communities

Reusing and recycling water management

Water and wastewater treatment plants hydraulics

Natural treatment of wastewater

Radiation protection Management

The global effects of air pollution

Consequences of air pollution in indoor and outdoor environments

Recycling materials and energy

Compost production technology

Risk Assessment and management

Soil pollution

Environmental toxicology

Environmental contamination of food

Sound pollution in the environment.

Engineering Economics

Epidemiology of the environment