# Environmental and Energy Technology Program

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**Introduction**

The purpose of the Environmental and Energy Engineering is to achieve an ideal society by protecting and improving natural environment through efficient management and treatment of pollutants generated from various human activities, including usage of energy. Thus, this program focuses on solving pollution problems which are becoming more complicated due to high growth of industrial society.

Currently, the Sustainable Development considering environmental preservation and economic development becomes the central axis of an international order. Environmentally sound and sustainable development is all nations' ultimate goal in the construction of a welfare country. Furthermore, ' Green Round, ' emerging as a new world trade barrier, is an urgent task to be solved because environmental preservation is considered as one of the most important strategies in business and environmental technology of developed countries. Therefore, environmental industry is promising and has more influences on all the fields in an economic society.

The Program was established based on the concept that the key to these kinds of problems is to develop advanced environmental technology and produce high-level manpower who has well-arranged fundamental principles and special knowledge. The objectives of this interdisciplinary program are: (*1*) to educate graduate students for advanced technology on environmental protection and energy generation; (*2*) to produce well-skilled field engineers. The ultimate goals are: (*1*) to establish environmental technology system to cope with the world's trade situation: (*2*) to improve the efficiency of whole environmental fields by retraining experienced environmental engineers and environment-related manpower for advanced technology.

The future plans of the Program are as follows.

✐ Internationalization of up-to-date technologies relating the environmental and energy fields.

Environmental and energy problems become worldwide issues and novel environmental technology and clean energy generation are a leading-edge fields. Therefore, it is necessary to develop up-to-date technologies and to apply them to the fields.

✐ Systematization of environmental and energy administration and policy.

Environmental and energy administration and policy should be selected based on scientific and economic reasons for optimal management. Thus, it is necessary to use a systematic tool and establish its technique.

✐ Establishment of educational system for field environmental and energy engineers.

Education system should provide field engineers with principles of environmental and energy engineering as their knowledge is directly applicable to the field.