Diploma Policy of Regular Course

We certificate the students as having completed the course when they have acquired the basic and specialized knowledge of engineering, the problem-solving ability, rich culture and the communication ability designated by each department.

(1) Department of Mechanical Engineering

Educational Aims

The purpose is to develop engineers who can contribute to society by acquiring engineering design ability and communication ability, focusing on each field of energy/flow, measurement/control, structure/material, design/processing and digital engineering.

Ability to Acquire

A Fundamental Scientific Knowledge : Students have fundamental knowledge of mathematics and natural science needed to study mechanical engineering and think about them logically.

B Specialized Knowledge : Students have specialized knowledge and skills in mechanical engineering and apply them to analyze tasks in engineering.

C Problem-solving Ability : Students can work on problem solving by utilizing the design ability obtained through manufacturing.

D Culture : Students have well-rounded culture and strict ethical viewpoint and can take into consideration the influence that technology has on society or the environment.

E Communication Skill : Students can express their ideas logically and have basic skill to communicate in English.

F Sociability : Students act with a sense of independency, responsibility and public duty through career education and extracurricular activities.

(2) Department of Electrical Engineering and Information Science

Educational Aims

Our aim is to educate our students so they will acquire the basic and specialized knowledge sufficient for understanding electrical energy, communications, and computers. We also educate them to be engineers who have engineering ethics, creativity, and communicative abilities in a broad diverse range of fields.

Ability to Acquire

A Fundamental Scientific Knowledge : Students have fundamental knowledge of mathematics and natural science needed to study electrical engineering, information science and communication engineering and think about them logically.

B Specialized Knowledge : Students have specialized knowledge and skills in electrical engineering, information science and communication engineering, and apply them to analyze tasks in engineering.

C Problem-solving Ability : Students can work on solving problems making use of their fundamental knowledge and skills in electrical engineering, information science and communication engineering.

D Culture : Students have well-rounded culture and strict ethical viewpoint and can take into consideration the influence that technology has on society or the environment.

E Communication Skill : Students can express their ideas logically and have basic skill to communicate in English.

F Sociability : Students act with a sense of independency, responsibility and public duty through career education and extracurricular activities.

(3) Department of Electronics and Control Engineering

Educational Aims

We aim to educate our students so that they acquire broad specialized knowledge in the fields of electricity, electronics, and information technology, as well as obtain basic knowledge in natural science, a well-rounded education, an ethical viewpoint, and contribute to society in variety of fields by appropriately ascertaining society's wishes.

Ability to Acquire

A Fundamental Scientific Knowledge : Students have fundamental knowledge of mathematics and natural science needed to study electronic control engineering and think about them logically.

B Specialized Knowledge : Students have specialized knowledge and skills in electronic control engineering and apply them to analyze tasks in engineering.

C Problem-solving Ability : Students can work on solving problems making use of their knowledge and skills in electronic control engineering.

D Culture : Students have well-rounded culture and strict ethical viewpoint and can take into consideration the influence that technology has on society or the environment.

E　Communication Skill : Students can express their ideas logically and have basic skill to communicate in English.

F　Sociability : Students act with a sense of independency, responsibility and public duty through career education and extracurricular activities.

(4) Department of Applied Chemistry and Biotechnology

Educational Aims

We aim to foster the engineers who have highly awareness of global environmental problems and engineering ethics, expertise in applied chemistry and biotechnology, and will be able to serve as a leader on production sites.

Ability to Acquire

A　Fundamental Scientific Knowledge : Students have fundamental knowledge of mathematics and natural science needed to study applied chemistry and biotechnology, and think about them logically.

B　Specialized Knowledge : Students have specialized knowledge and skills in applied chemistry and biotechnology, and apply them to analyze tasks in engineering.

C　Problem-solving Ability : Students can always develop their knowledge and skills in chemistry and biology, discover problems in these fields and make the most of their knowledge and skills to solve them.

D　Culture : Students have well-rounded culture and strict ethical viewpoint and can take into consideration the influence that technology has on society or the environment.

E　Communication Skill : Students can express their ideas logically and have basic skill to communicate in English.

F　Sociability : Students act with a sense of independency, responsibility and public duty through career education and extracurricular activities.

(5) Department of Environmental Materials Engineering

Educational Aims

We aim to produce engineers who will learn the importance of a recycling-oriented society and acquire the basic specialized knowledge and skills for materials engineering so that they are able to manufacture materials compatible with environmental conservation.

Ability to Acquire

A　Fundamental Scientific Knowledge : Students have fundamental knowledge of mathematics and natural science needed to study materials engineering and think about them logically.

B　Specialized Knowledge : Students have specialized knowledge of environment-friendly materials and skills in materials engineering, and apply them to analyze tasks in

engineering.

C Problem-solving Ability : Students can practically make the most of their specialized knowledge of materials engineering and solve problems for themselves.

D Culture : Students have well-rounded culture and strict ethical viewpoint and can take into consideration the influence that technology has on society or the environment.

E Communication Skill : Students can express their ideas logically and have basic skill to communicate in English.

F Sociability : Students act with a sense of independency, responsibility and public duty through career education and extracurricular activities.