

### **1-3 The Purpose of the Faculty of Science**

The purpose of the Faculty of Science is to develop human resources who have acquired a fundamental knowledge of science and the ability to receive advanced learning in graduate school, as well as human resources who are able to utilize a fundamental knowledge of science to fulfill leadership roles in various areas of society.

The purposes of each department are as follows.

#### **(a) Department of Mathematics**

The purpose of the Department of Mathematics is to develop human resources who possess mathematical sophistication and the ability to think logically and who are able to fulfill leadership roles in various areas of society, as well as human resources who have acquired fundamental knowledge of contemporary mathematics and the ability to engage in mathematical reasoning, and who are able to contribute to the development of the mathematical sciences.

#### **(b) Department of Physics**

The purpose of the Department of Physics is to develop human resources who have acquired a fundamental knowledge of physics, which is the foundation of the natural sciences, as well as the ability to apply that knowledge and solve actual problems.

#### **(c) Department of Chemistry**

The purpose of the Department of Chemistry is to develop human resources who are able to understand the natural world that is composed of a variety of physical matter, from the viewpoints of the atomic and molecular structure and changes in that structure, and while systematizing the acquired knowledge, are able to utilize that knowledge in diverse areas, not only in chemistry, but also in a range extending from biology, physics, and other fundamental areas, to engineering, pharmacology, agriculture, medical science, geoscience, information science, and other areas of application.

#### **(d) Department of Biology**

The purpose of the Department of Biology is to foster the ability to analyze scientifically the complex and diverse life phenomena of natural life, and develop human resources who possess flexible logical thinking skills based on a wide range of knowledge, and who are able to contribute to the building of a rich and varied human society.

#### **(e) Department of Information Sciences**

The purpose of the Department of Information Sciences is to develop human resources who have learned the knowledge and methodology that serve as the foundation of inquiry into “information,” a new scientific field that made its appearance in the twentieth century, as well as the state of various types of application, and who have acquired the research foundation to further pioneer the field on the base of the results of such efforts.