

The Faculty of Engineering at Kobe University aims to develop human resources who are equipped with broad knowledge and interdisciplinary perspectives in the specialized fields of each department, especially creative human resources with a multifaceted perspective and the expertise to solve social problems using the knowledge system related to engineering in addition to the humanity, creativity, international awareness stipulated in the diploma policy of Kobe University.

In order to achieve these objectives, the Faculty has established the following policies for conferring the Bachelor of Engineering, based on the University's policy for conferring degrees.

1. The Faculty has set its learning goal in the each department as acquiring the following abilities in addition to the virtues prescribed by the University's policy on conferring degrees.

【Departments】

- Department of Architecture
- Department of Civil Engineering
- Department of Electrical and Electronic Engineering
- Department of Mechanical Engineering
- Department of Chemical Science and Engineering

Department of Architecture

- Broad insight and engineering attainments which form the basis
- Basic knowledge of the basic academic field of architecture, such as "planning", "building structures", and " environmental engineering", and basic ability related to "spatial design"
- The advanced specialized knowledge required as an architectural specialist in the fields of "planning", " building structures", and "environmental engineering", and the ability to synthesize this knowledge to derive concrete solutions to practical problems in "spatial design".
- The ability to think about the social role required of architecture, to be aware of various issues related to architecture, to derive objective and logical answers through surveys and research, and to summarize the results in papers or designs.

Department of Civil Engineering

- Ability related to specialized basic academic skills
- Ability related to multi-faceted thinking and engineering ethics
- Ability related to practical work
- Ability related to analytical tools and the application of advanced technology and creative thinking

- Ability related to the environment, culture and history
- Ability related to communication
- Ability related to basic academic skills
- Ability related to comprehensive problem solving

Department of Electrical and Electronic Engineering

- Diverse knowledge and experience, and basic academic competence in electrical and electronic engineering.
- Knowledge and expertise in the field of physical electronics.
- Knowledge and expertise in the field of computer and information engineering.
- Knowledge and expertise in the field of electric power control.
- Ability to apply knowledge of electrical and electronic engineering to creatively considering and addressing challenges.

Department of Mechanical Engineering

- A broad perspective and fundamental knowledge and skills on mechanical engineering
- Expertise in thermodynamics and fluid mechanics
- Expertise in mechanics and physics of materials
- Expertise in control systems engineering
- Expertise in mechanical design and manufacturing
- Research and development capabilities and problem-solving skills on mechanical engineering

Department of Chemical Science and Engineering

- High ethical and humanistic standards based on knowledge in chemical science and engineering
- Ergonomics and understanding of the fundamentals of chemical science and engineering
- Extensive academic knowledge and expertise regarding applied chemistry
- Extensive academic knowledge and expertise regarding chemical engineering
- Ability to use knowledge of chemical science and engineering to discuss and solve social problems

2. The Faculty's graduation requirement for the conferring of the Bachelor of Engineering is to attend Kobe University for the prescribed period of time, to acquire the credits stipulated in the University's rules for the Faculty of Engineering, and to achieve the learning goals set by the University and the Faculty.