Diploma Policy in Graduate School of Life Science and Systems Engineering

Educational Goals

Kyushu Institute of Technology aims to cultivate individuals who are technically skilled and possess rich humanity, based on its founding philosophy; “instilling a deep knowledge of science and engineering in high caliber students”. We also cultivate individuals of outstanding character and creativity who can solve industrial and societal challenges, guide future development through technological power, and strive for a sustainable society in our rapidly changing modern world.

The Ideal Profile

Kyushu Institute of Technology cultivates individuals who possess the ability to embrace diverse cultures, strong communication skills, the capacity for self-directed learning, the ability to identify problems and pursue solutions, and design capabilities enabling the societal contribution of science and technology, while acquiring advanced knowledge and skills in science and technology.

Degrees are conferred upon those who complete the designated standard period of study, acquire the abilities listed below, and earn the required credits to cultivate individuals possessing the above abilities.

＜Master's Program＞

1. Advanced Specialized Knowledge and Social Contribution

Students possess advanced specialized knowledge enabling original research and development activities. They think with a broad, cross-disciplinary perspective that encompasses the extensive field of bioengineering while focusing on a specific specialty and understanding related fields. They also conduct scientific analysis based on data. Additionally, the students understand the role that bioengineering specialties and related fields play in society.

2. Advanced Practical Problem-Solving

Students acquire the ability to logically analyze and solve problems within their specialized field of biotechnology and its related fields.

3. Advanced Presentation Skills

Students acquire the presentation skills necessary to propose and publicize new technologies in their specialized field of biotechnology and its related fields. They also develop the ability

to communicate accurately based on logical thinking and can utilize this ability in international settings.

4. Proactive Inquiry

As engineers in specialized and related fields of biotechnology, students possess an attitude of collaborating with society to meet social needs, guided by values that pursue diverse forms of happiness for individuals and society.

5. Teamwork

Students can autonomously plan and manage their work to solve problems in specialized and related fields of biotechnology, while also collaborating effectively with diverse individuals.

＜Doctoral Program＞

1. Cutting-Edge Expertise and Societal Impact

Students acquire the most advanced knowledge in a specific specialized field within the broad domain of bioengineering. They also gain proficiency in related fields, enabling them to advance original interdisciplinary research and acquire the advanced and broad knowledge necessary to generate innovation. Furthermore, they understand the societal ripple effects of interdisciplinary research and development in bioengineering.

2. Cutting-Edge Practical Problem Solving

Students acquire specialized skills to execute cutting-edge interdisciplinary research and development in biotechnology.

3. Communication Skills as a Scientist/Engineer

Students develop presentation and communication skills to conduct interdisciplinary research and development in biotechnology and present its outcomes on an international stage.

4. Attitude and Orientation as a Scientist/Engineer

As individuals responsible for cutting-edge interdisciplinary research and development in biotechnology, they possess an attitude that addresses societal needs from a global perspective, guided by values that pursue diverse forms of happiness for both individuals and society. They also constantly monitor trends in research and technology fields, enabling them to independently identify challenges and autonomously pursue the creation of innovative technologies. Furthermore, they can provide direction to others, solicit cooperation, and demonstrate leadership to realize technological development.