

Policy on the Formulation and Implementation of Education Curriculum
Chiba University Graduate School of Engineering

【Master's Programs】

- To uphold “the spirit of freedom and independence”
 - Formulate and provide educational curricula that enable students to acquire wide-ranging knowledge in engineering basics as natural science and technology basis, and encourage the students to study and research proactively using their own judgment and following their own plan, throughout all educational curricula to foster flexible thinking and deep insight.
 - Provide practical educational opportunities to put students' own knowledge, thinking and insight into action as engineering specialists.
- To embrace “involvement in society from a global perspective”
 - Provide curricula so that the students can acquire extensive knowledge including engineering ethics and study from global perspective, while understanding social and academic position of their specific areas of expertise.
 - Provide opportunities to acquire communication ability so that the students can effectively convey their specialized knowledge to people with other specialty and various backgrounds.
- To acquire “specialized knowledge, skills and abilities”
 - Provide systematic education that cultivate in-depth knowledge in students' respective area of expertise as well as practical education to utilize knowledge to solve problems.
 - Provide opportunities for the students to understand the relationship of their own major field of study with other fields through inter-divisional open enrollment, as well as opportunities to acquire extensive and highly specialized knowledge.
- To nurture “excellent problem-solving skills”
 - Provide research-education opportunities so that students can work on the projects by integrating and organizing the specialized knowledge and cultivate the problem solving ability. Also provide the curricula so that students can acquire the ability to solve the issues by cooperating with others while taking into account the intellectual property rights and information ethics.
 - Provide opportunities such as internship and cultivate hands-on ability in order to nurture practical problem solving ability.

【Doctoral Programs】

- To uphold “the spirit of freedom and independence”
 - Provide curricula so that students can acquire the ability as independent researchers by continuously self-evaluating their consistent research activities from project setting to result presentation.

- To embrace “involvement in society from a global perspective”
 - Provide curricula so that students understand the problems in their field of specialization from a global perspective and consider what kind of research and development is necessary to find solutions for such problems and contribute to a society.
 - Provide opportunities for the students to explain their own research results to and exchange information with overseas specialists and people in different fields of expertise by associating with the latest research trend.
 - Provide opportunities to understand the diversity of domestic and international cultures and history and to interact with a variety of people.
- To acquire “specialized knowledge, skills and abilities”
 - Provide opportunities for the students to be proactively involved in the creation of new findings and values in preparation for their dissertation study.
 - Provide opportunities for the students to acquire management ability by actually keeping track of the progress of their dissertation study starting from research plan setting to result evaluation.
- To nurture “excellent problem-solving skills”
 - Provide opportunities to acquire the management skill so that students can share the information and knowledge of specialized fields with co-researchers and research associates and take a leading role in carrying out the research for the preparation of their dissertation study.