

Faculty of Science and Technology, Department of Civil Engineering	
Diploma Policy	<p>The Department of Civil Engineering approves the graduation of and confers a bachelor's degree (in engineering) to a student who has met the following requirements ((1), (2), and (3)) in accordance with the Department's educational goals.</p> <p>(1) A diverse value system, informed by cultural and historical views of humankind and society, a sense of ethics as engineers, and the ability to understand and work with others in an organized, systematic fashion.</p> <p>(2) A strong basic knowledge of natural science, the ability to apply that knowledge, and basic and applied knowledge in a major specialized field.</p> <p>(3) A mastery of specialized skills, the ability to apply those techniques, the ability to explore and draw up solutions independently by identifying issues, integrating one's specialized knowledge, and responding to social changes and technological innovations, and the communication abilities required of a specialized engineer.</p>
Curriculum Policy	<p>The Department of Civil Engineering designs its educational curriculum, comprising Basic Interdisciplinary Subjects in Science and Technology and Specialized Education, and requires students to earn a certain number of credits in each component of the curriculum and each segment of knowledge and abilities to ensure that students gain the knowledge and abilities stated in the diploma policy.</p> <p>(1) Liberal Arts Education comprises Foreign Language, Science of Physical Education, Humanities, Social Science, and other liberal arts subjects and also includes Basic Science and Technology Subjects such as Mathematics, Physics, Chemistry, and Ethics for Engineers. By learning these subjects, students gain a diverse value system, develop a sense of ethics as engineers, and gain a basic understanding of and ability to apply natural science.</p> <p>(2) Specialized Education comprises a systematic framework that helps students progress from basic knowledge to application in the core fields of study. By offering a fruitful arrangement of lectures and related seminars, lab experiments, and practice labs, the curriculum ensures that students can acquire specialized knowledge, spanning basic knowledge to application, learn specialized skills, nurture the ability to apply those skills, and gain a deeper understanding of phenomena in their specialized fields of study.</p> <p>(3) Liberal Arts Education incorporates elements of active learning. Specialized Education focuses on fostering students' individual motivations and, by incorporating active learning elements into seminars, lab experiments, and practice labs, cultivates a capacity for self-learning. Through subjects that emphasize group-based work, such as Practice in Surveying, the curriculum nurtures an ability to collaborate with others and deeper mutual understanding. Graduation Research, which students conduct in year 4, helps students develop advanced communication skills, a capacity for creative thinking through integrated knowledge, and the ability to use those assets to solve problems.</p> <p>(4) The Department of Civil Engineering enforces strict grading policies and approves credits in accordance with syllabus content. The Department also lists said information on individual student grade reports and uses it for the purposes of academic guidance and tracking. The Department also has an educational support system for providing individual guidance from a comprehensive standpoint, taking student grades and attitudes into consideration, which allows students to study according to individual progress and future goals.</p>
Admission Policy	<p>The Department admits applicants who understand the diploma policy and have acquired the following abilities and ambitions through prior education such as high school education.</p> <p>(1) Students seeking admission via the general entrance examination: Strong basic academic abilities in mathematics, science, and English. Students seeking admission via an examination by commendation/special examination: Basic academic abilities in mathematics, science, and English, gained through steady, consistent studies in high school.</p> <p>(2) The capacities for thinking, reasoning, and self-expression that form the foundation for using learned knowledge and skills to identify problems independently, explore possible solutions to the issues, and use those efforts to produce results.</p> <p>(3) An interest in social infrastructure-related science and technology and an ambition to collaborate actively with a variety of partners in using the specialized knowledge and abilities that one acquires after enrolling to contribute to society.</p>