

Course Number	07009
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2007 「The International Priority Graduate Programs (PGP)」

~Advanced Graduate Courses for International Students~

【1. Profile of the University】

①University Department	Kyoto Institute of Technology (KIT) Graduate School of Science and Technology		
②President	EJIMA Yoshimichi		
③Address (Headquarters)	Matsugasaki, Sakyo-ku, Kyoto 606-8585 JAPAN		
④Contact	Division	International Planning Division	
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⑤Web-Address	http://www.kit.ac.jp		
⑥Enrollment (only Graduate School)	77 (includes MEXT Scholarship Students:23)		

【2. Outline of the Course】

①Course	International Graduate Program (IGP) for Interdisciplinary Study in Science and Technology
②Degree	Master's and Doctoral degrees (4 years in total)
③Form	Operated by a single university
④Graduate Course, Department	Graduate School of Science and Technology
	(Address) Matsugasaki, Sakyo-ku, Kyoto 606-8585 JAPAN
⑤Collaboration (Universities, Graduate courses, Departments)	<p><u>Master's Programs:</u> Applied Biology, Biomolecular Engineering, Macromolecular Science and Engineering, Chemistry and Materials Technology, Electronics, Information Science, Mechanical and System Engineering, Design Engineering and Management, Architecture and Design, Design, Architectural Design, Advanced Fibro-Science</p> <p><u>Doctoral Programs:</u> Materials and Life Science, Engineering Design, Design Science, Advanced Fibro Science</p>
⑥Quota	20 (includes MEXT Scholarship Students:5) (includes Japanese graduate students:10)
⑦Faculty	252 (Fulltime:211, Fulltime (other department):15, Parttime:26)
⑧Representative of the Course	Job Title: Dean of the Graduate School of Science and Technology
	Name: SHIBAYAMA Kiyoshi

【3. Contents of the Course】

Introduction

Kyoto Institute of Technology is 'an international, technological university with a highly developed sense of aesthetics (*kansei*)' and responsible for the creation of numerous unique industries and cultural icons in the 21st Century. Its Graduate School of Science and Technology continues to dedicate itself to the "cultivation of human resources with an international-standard of competence and aesthetics (*kansei*)."
Running in all majors in the Graduate School is the International Graduate Program (IGP), where we actively contribute to the future development of science and technology in developing countries by producing superlative human resources. KIT preferentially accepts students from its partner institutions in Vietnam and Thailand, with which we have developed trusting relationships over many years through student and faculty exchange. Because we make time to accurately assess individual student needs and the roles IGP students will assume in their home countries, the education and research instruction we provide is immediately applicable to their lives when they return to their countries.

Features of the program

1. English Language Instruction of Customized Advanced Education in a Wide-range of Academic Fields:

The IGP is available in all 12 Master's programs and 4 Doctoral programs in the Graduate School of Science and Technology. All classes and research instruction are conducted in English. Each student's supervisor in his/her home institution is also involved in the program as one of his/her academic advisors. This makes it possible to establish a customized educational system appropriate to the educational background, needs and career path of each student. Following 2-year Master's program, students are expected to complete the Doctoral Program in two years.

2. IGP Curriculum Contribution to Student Career and Leadership Development:

The IGP not only enhances student abilities in specialized fields, but cultivates leading researchers and engineers. The curriculum, therefore, includes instruction in effective approaches to management and administration. In particular, one course required of all IGP students "Project Management" produces leaders in university, research institutions and companies in the home country.

All students are required to complete an internship at a company/research institution in Japan. In addition, the Teaching Assistant (TA) for Master's students and Research Assistant (RA) positions available to the Doctoral students provide them with an opportunity to experience international education and research from a station of responsibility. These experiences are crucial preparation for their future careers.

3. IGP Student Accelerated Exposure to Japanese Students and Cross-cultural Understanding:

IGP students enjoy numerous opportunities to exchange ideas with and study with Japanese students through the following schemes:

- The TA and RA programs provide IGP students with an opportunity to interact with Japanese undergraduate and graduate students in the classroom and in the lab.
- Our course in cross-cultural literacy "Training program for Advanced manufacturing through the Fusion of Traditional technology and modern science(TAFT)" is strongly recommended to IGP students. KIT is unique in its consolidation of this program in which students encounter history, the culture and technology of Japanese manufacturing and acquire experience beyond their academic specialties with Japanese students from various majors.
- IGP tutors (Japanese graduate students in the same major) support IGP students in academics and beyond. The ripple effect of this positive interaction between Japanese students and IGP students functions to enhance relationships beyond the university sphere. Also, Resident Tutors at KIT International House, the international student dormitory, provide additional support on a daily basis.

Supervisory System

The IGP Promotion Committee, a coalition of our Graduate School, the International Exchange Center and related KIT offices, cooperates in implementing the IGP. Admissions and acceptance procedures, academic support, assistance with acculturation and alumni networking are overseen by this body. A triad consisting of a senior supervisor, a supervisor who is a full-time professor from another lab in KIT and a faculty member from a student's home institution cooperate in supervision/instruction of each IGP students' thesis research. This three-member support system makes the student's educational background and career plans a priority as it cooperates in guiding the graduate student through a customized research plan. A thesis instruction tutor (graduate student) provides support for thesis research.

Language

All lectures and research instruction are conducted in English. Students may concurrently take Japanese language courses in preparation for off-campus internship programs.

Application Procedure

Japanese Government Scholarship students are primarily recruited from among students at KIT partner institutions in Vietnam and Thailand. Selection is based on documentary evidence and interview examinations.

Privately-funded students are welcomed from all over the world.

Follow-up: International Alumni Networking Maintenance

- After successful completion of the IGP, alumni are expected to become faculty members of tertiary institutions or research centers, senior engineers or researchers in industry. As educators/researchers/engineers, who have benefited from KIT's unique emphasis on the synthesis of aesthetics (*kansei*) and technology, IGP alumni are innovators capable of groundbreaking engineering. These valuable human resources, boast a high level of practical cross-cultural literacy, have a global perspective and access to the international KIT alumni network.

-The network, known as the KIT International Academic Exchange Club, enables alumni to play a role in strengthening ties between KIT and their home institutions and countries. An array of follow-up programs enables graduates to meet KIT supervisors at Japan Education Fairs and academic symposiums. Those returning to their original institutions will accept KIT students as dispatch education partners and those who proceed to jobs in industry will accept KIT students for international internship programs. In this way, we promote and maintain meaningful on-going exchanges and continue to expand and make accessible the network of current and former students, faculty and the support of the KIT academic community.

International Graduate Program for Interdisciplinary Study in Science and Technology

