

2006「The International Priority Graduate Programs(PGP)」

~ Advanced Graduate Courses for International Students ~

【1. Profile of the University】

①University Department	Tohoku University Graduate School of Engineering		
②President	President YOSHIMOTO Takashi		
③Address	1-1, 2-chome, Katahira, Aoba-ku, Sendai, 980-8577		
④Contact	Division	Graduate Academic Affairs Section	
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⑤Web-Address	http://www.eng.tohoku.ac.jp		
⑥Enrollment (only Graduate School)	819 (include MEXT's Scholarship Students: 258)		

【2. Outline of the Course】

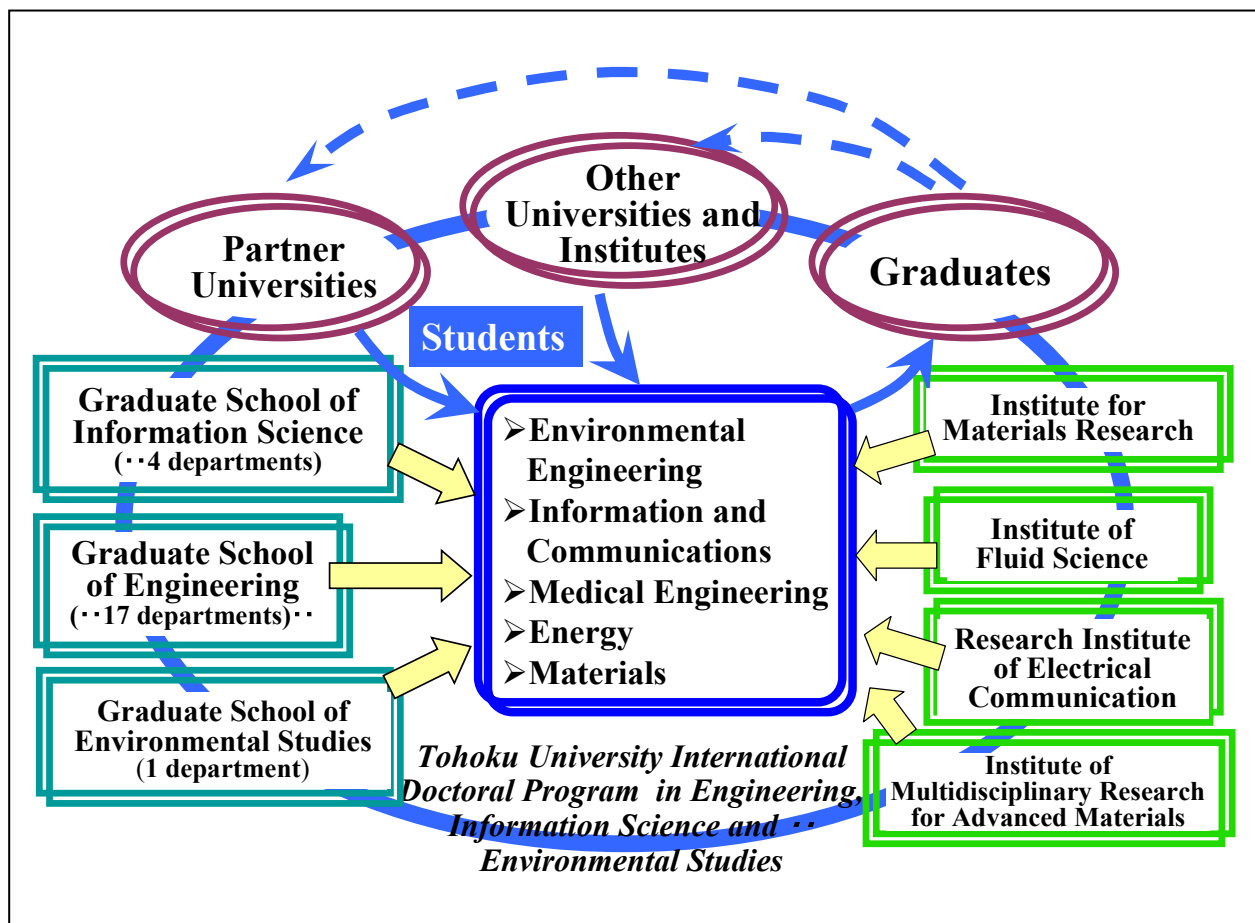
①Course	Tohoku University International Doctoral Program in Engineering, Information Science and Environmental Studies
②Degree	Doctor's Course (3 years)
③Graduate Course. Department	Graduate School of Engineering Department of Mechanical Systems and Design
	(Address)6-6-04 Aza Aoba Aramaki, Aoba-ku,Sendai
④Collaboration (Universities, Graduate Courses, Departments)	Graduate School of Engineering: Department of Nanomechanics, Aerospace Engineering, Quantum Science and Energy Engineering, Electrical and Communication Engineering, Electronic Engineering, Applied Physics, Applied Chemistry, Chemical Engineering, Biomolecular Engineering, Metallurgy, Materials Science, Materials Processing, Civil Engineering, Architecture and Building Science, Management of Science and Technology, Bioengineering and Robotics Graduate School of Information Science: Department of Computer and Mathematical Sciences , System Information Sciences, Human-Social Information Sciences, Applied Information Science Graduate School of Environmental Studies: Department of Environmental Studies
⑤Quote	25 (include MEXT's Scholarship Students: 12) (include Japanese: 0 人)
⑥Faculties	532 (Full-time(only for this course):331、 Full-time(at the department offering this course):201、Parttime: 0)
⑦Representative of the Course	Job Title Dean Graduate School of Engineering
	Name: UCHIDA Tatsuo

【3. Contents of the Course】

○ Objectives

The Graduate School of Engineering, the Graduate School of Information Science and the Graduate School of Environmental Studies invite highly motivated, capable and talented individuals from all over the globe and cultivate international leaders who can contribute to the advancement of world development. The program aims to achieve the following goals:

- 1) International contribution through personnel training,
- 2) Formation of human network,
- 3) Realization of internationally competitive research and education.



○ Contents and features

Students will be admitted into the following five elective course groups: Environmental Engineering, Information and Communications, Medical Engineering, Energy, and Materials. These course groups cover important global subjects in the fields of science and engineering. Students receive interdisciplinary education and research instruction in English, under the cooperative supervision of faculty staffs in three graduate schools including twenty-two departments. The course aims to bring up international leaders who can contribute to solving global problems that confront humanity as a whole. To realize this, we invite highly talented students from all over the world, and cultivate researchers and engineers having a potential ability as a leader in an international academic network. These educational processes should result in the promotion of internationalization in research and education, and the realization of internationally competitive research and education.

○ Education and Instruction system

Students have a chance to receive an interdisciplinary education from a large number of staffs in the above three graduate schools, cooperative research institutes including the Institute for Materials Research, the Institute of Fluid Science, the Research Institute of Electrical Communication, and the Institute of Multidisciplinary Research for advanced Materials, and other educational and research centers. A wide variety of elective subjects are being offered in each of the above five course groups. Students may also attend lectures given in the other course groups. Research and writing a doctoral thesis will be supervised by an individual professor. The basic part of the above education and instruction system has already been completed in the former international doctoral course founded in 2001.

○ Language

Lectures, research supervision, submission and oral defense of a doctoral thesis are all in English. Students may also attend lectures given in Japanese to fulfill their requirements.

○ Announcement of invitation, application and selection

The announcement is sent to foreign universities and research institutes having academic exchange agreements with Tohoku University. It is also available on Homepage of Tohoku University. Selection is carried out by the International Doctoral Program Evaluation Committee, based on recommendations from the program-related departments and scholastic aptitude of applicants, according to transcripts, GRE and English language test scores (TOEFL and TOEIC), direct interview or interview using the internet, and applicant supplied materials.

○ Follow-up of graduates

The International Doctoral Program Promotion Committee follows up the subsequent history of graduates, including the investigation of their carrier to pursue after graduation and the ripple effects of the program.