

Course Number	06010
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2006 「The International Priority Graduate Programs (PGP)」

～Advanced Graduate Courses for International Students～

【1. Profile of the University】

①University Department	Graduate School of Engineering, The University of Tokyo		
②President	Hiroshi Komiyama		
③Address (Headquarters)	The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo, Japan, 113-8656,		
④Contact	Division	Professor, Department of Electronic Engineering, Graduate School of Engineering	
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⑤Web-Address	http://www.mem.t.u-tokyo.ac.jp/		
⑥Enrollment (only Graduate School)	1988	(include MEXT's Scholarship Students: 795)	

【2. Outline of the Course】

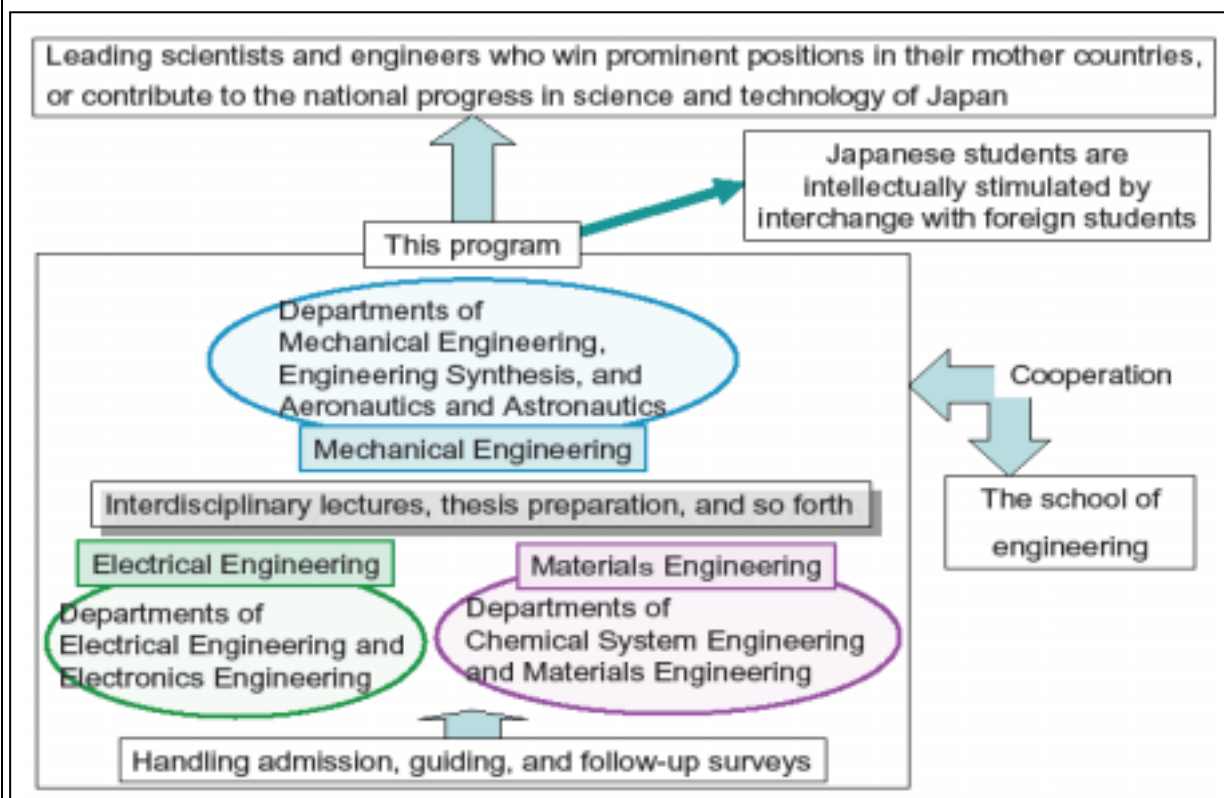
①Course	International Graduate Program in Mechanical, Electrical and Materials Engineering.
②Degree	Master Course (2 years) + Doctor Course (3 years)
③Graduate Course, Department	Department of Electronic Engineering, Graduate School of Engineering (Address)The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo, Japan, 113-8656,
④Collaboration (Universities, Graduate courses, Departments)	School of Engineering: Department of Mechanical Engineering, Department of Engineering Synthesis, Department of Electrical Engineering, Department of Electronic Engineering, Department of Materials Engineering, Department of Aeronautics and Astronautics and Department of Chemical System Engineering.
⑤Quota	30 (include MEXT's Scholarship Students: 10: Master Course 3, Doctor Course 7) (include Japanese :0)
⑥Faculties	170 (Full-time(only for this course):108 Full-time(at the department offering this course):56 Part time:6)
⑦Representative of the Course	Job Title: Dean of Graduate School of Engineering, The University of Tokyo
	Name: Yoichiro Matsumoto

【3. Contents of the Course】

[Objectives]

The University of Tokyo's International Graduate Program in Mechanical, Electrical and Materials Engineering is designed for professional education and research in the field of basic technology, specifically at the juncture of mechanical, electrical, and materials engineering. This exciting field is progressing rapidly. To meet the evolving challenges it presents, this program has expanded and refocused its curriculum. As shown in the figure below, this program recruits excellent foreign students who are destined to become leading scientists and engineers in the interdisciplinary field of mechanical, electrical, and materials engineering after graduation. It is hoped that the advanced education provided will help students win prominent positions in their mother countries, or contribute to the national progress in science and technology of Japan.

It is expected that this program will promote the national interests of Japan through cultural exchange and the intellectual triumphs of graduates. Additionally, the Japanese students in the school of engineering are also expected to be intellectually stimulated by interchange with the foreign students. The number of lectures delivered in English will be increased, which also stimulates Japanese students. The school of engineering teaching staff, composed of leading international scientists, coordinates professional and advanced education under systematic collaboration among seven departments in the fields of mechanical, electrical, and materials engineering. All of the curricula are in English to promote efficient communication between foreign students and the teaching staff.



[Program Content and Distinctive Features]

This program is composed of masters- and doctorate-level courses, and accepts foreign students either with assistance from the Japanese government or paying privately. Candidates for admission are independently qualified by each department. The suitability of an applicant is based on the (GPA-standard) records in their undergraduate or graduate academic history. Both recommendation by the department head of the alma mater and approval by the host professor are required to qualify; this eliminates the need

for most candidates to visit Japan to take an exam. The most distinctive feature of the program is the tight cooperation among seven departments in the fields of mechanical, electrical, and materials engineering, and the fact that courses are taught entirely in English by a staff of internationally recognized scientists in these departments.

[Support System]

The program supports national and international students in many ways to nurture and guide them through the program. Lectures and guidance on interdisciplinary topics are provided. All seven engineering departments cooperate to support the students. The teaching staff advises on thesis preparation in English, and classes on practical Japanese conversation are provided. The Admissions Office of our own handles admission, guiding students through the formalities of traveling to Japan, and so forth. The school of engineering coordinates the global operation of the program.

[Languages to be used] English

[Method of admission]

(1) Countries for admission: Government Scholarship Student: countries with which the Japanese Government has diplomatic relations. Self-supporting Student: The same as those for government-supported foreign students and Taiwan.

(2) Method of admission: A call for admission is mailed to the department heads and principal professors of foreign universities, some of which have previously reached an agreement with the school of engineering at the University of Tokyo.

(3) Method of publicity: Information for admission is provided through a website and a brochure.

(4) Universities to which the call for admission is sent: Those to which the school of engineering has reached an agreement, including Tsinghua University, China and Seoul National University, Korea, alma mater of prior graduates of the program, and others.

(5) Screening of applicant qualifications: Selection is based on the prior undergraduate or graduate student academic records. A GPA greater than 3.5 out of 4.0 is required.

(6) Method of Screening: Based on the approval (acceptance letter) by the host professor, preliminary selection is made by the screening committee in each department. Final selection is made by the steering committee of this program.

[Career expectations after graduation]

It is expected that graduates will obtain a prominent position in their mother countries or contribute to the progress in science and technology of Japan. Graduates in the past five years have fulfilled this expectation. As a result of these successes, the number of applicants is increasing.

[Method of evaluating and guiding the program]

This program is periodically evaluated by a committee composed of prominent scientists from peer academic institutions. Additionally, graduates of the program are monitored, and follow-up surveys are used to further improve the program.

[The reason for requesting a priority graduate program]

A priority graduate program is required to recruit excellent foreign students in relation to the American and European universities. Furthermore, it is essential to ensure that we meet and exceed the prior success of the program.