Course Number	06066

2006 「The International Priority Graduate Programs (PGP)」
~Advanced Graduate Courses for International Students~

【1. Profile of the University】

①University Department	The University of Electro-Communications Graduate School of Electro-Communications			
②President	MASUDA Takashi			
③Address (Headquarters)	〒182-8585　1-5-1 Chofugaoka, Chofu-shi, Tokyo, Japan			
④Contact	Division	International Affairs Division		
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⑤Web-Address	http://www.uec.ac.jp			
⑥Enrollment (only GraduateSchool)	164　(include MEXT's Sholorship Students： 48)			

【2. Outline of the Course】

①Course	International Program of ICT
②Degree	ME (Master of Engineering) and Ph.D (2 + 3 years)
③Graduate Course, Department	Department of Information and Communication Engineering
	(Address)1-5-1 Chofugaoka, Chofu-shi, Tokyo, 182-8585 Japan
④Collaboration (Universities, Graduate courses, Departments)	Department of Electronic Engineering, and Department of Human Communications, Graduate School of Electro-Communications
⑤Quota	ME Course: 24　(include MEXT's Schlorship Students： 2) 　　　　　　　　(include Japanese : 16) Ph.D Course: 12 (include MEXT's Schlorship Students： 4) 　　　　　　　　(include Japanese : 5)
⑥Faculties	22　(Full-time(only for this course)：22 　　　Full-time(at the department offering this course)：0　　　Parttime：0)
⑦Representative of the Course	Job Title　Dean, Graduate School of Electro-Communications
	Name　　Prof. HAGINO Kojiro

■ Program Description and Features

International Program of ICT is a cross department Master and Doctor course which covers ICT and related fields; information, communications, networks, security, human interaction, signal processing, electronics, and so on. The program objective is to educate graduate students to become the world-class researchers and engineers by enhancing their creativity, international way of thinking and practical skills for innovative works. This program is sponsored by the three departments of Information and Communication Eng.(ICE), Electronic Eng.(EE) and Human Communications(HC), and operated by the distinguished faculties in ICT field to give the curriculum consisting of fundamental subjects, advanced subjects and practical research and development skills. It makes also good use of Advanced Wireless Communication Research Center (AWCC) and ICT related Research Stations in terms of their research activities.

The education of this program is performed as following. The technical knowledge education is performed by subjects provided by each department where the program students belong to, on one side. And, on the other side, the cultivation of creativity, international communication still and practical expert skill is performed by activities at a Research Center and/or a Research Station, and various practical subject organized by collaborations between UEC and related industries.

The specialties of the International Program of ICT are following.

- **Cooperative program with foreign and Japanese students**

  The program provides the education and research environment both for foreign and Japanese students to study together in friendly.

- **Teaching in English**

  The program curriculum includes enough number of subjects taught in English in order to avoid the language barrier for foreign students, and to train the English ability of Japanese students.

- **Internship cultivating practical skills**

  As for Internship, the program students have the opportunity to work at companies or research organizations outside university for more than eight weeks, at least four weeks. Japanese students are encouraged to experience the internship at oversea organizations.

- **Technical meeting cultivating global minds and communication skills**

  This program holds frequently the technical meeting (workshop, seminar, etc), where the program students have to make presentations and discussions in   English, thus they develop thinking and understanding powers, presentation and discussion skills together with researchers from other universities and companies.

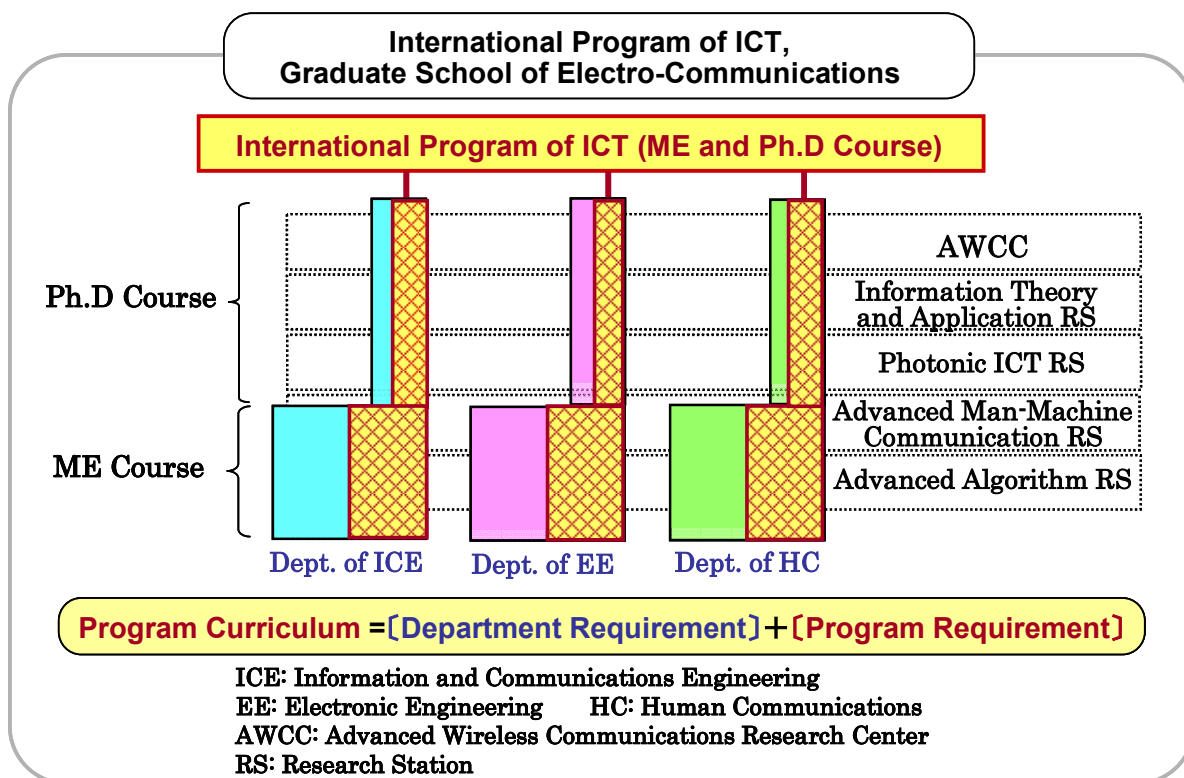- **International activities at research center and/or research station**

  The program students are encouraged to join in a research center and/or a research station, and perform international activities there.

- **Learning Japanese language and Japanese culture**

  Foreign students can participate in Japanese language and Japanese culture classes which are provided by the Center for International Program and Exchange.

■ Education System and Enrollment

In order to join the International Program of ICT, students need to apply to this program, after the enrollment to one of three departments; Information and Communication Eng.(ICE), Electronic Eng.(EE) or Human Communications(HC). The education system of this program consists of some part of above three departments and the research organizations of AWCC and four related Research Stations, as are shown in the following figure.

**International Program of ICT,
Graduate School of Electro-Communications**

International Program of ICT (ME and Ph.D Course)

Ph.D Course

ME Course

AWCC
Information Theory and Application RS
Photonic ICT RS
Advanced Man-Machine Communication RS
Advanced Algorithm RS

Dept. of ICE   Dept. of EE   Dept. of HC

Program Curriculum =〔Department Requirement〕＋〔Program Requirement〕

ICE: Information and Communications Engineering
EE: Electronic Engineering   HC: Human Communications
AWCC: Advanced Wireless Communications Research Center
RS: Research Station

■ Language for the Program

This program provides sufficient number of subjects taught in English for foreign students who are difficult to study in Japanese. Japanese students in this program are required to take the subjects taught in English as much as possible. Hence, Japanese students would be enhanced with their language ability. They can make also daily opportunities to communicate with foreign students in English.

All documents such as time-tables and syllabuses for program students, and other materials for foreign students are written both in English and Japanese.

■ Benefits Finishing the Program and Follow-up

The demand for world-class researchers and engineers is extremely large in the ICT and related fields. The rapidly changing ICT industry needs more ME and Ph.D engineers who are enhanced with creativity, international way of thinking and practical skills cultivated by this kind of program. The international human network created through the program would be more than valuable in the global business environment of ICT.

The follow-up after finishing the program would be cared by the Research Center/Station, and specially for foreign students by the Center for International Program and Exchange, and the oversea branch of UEC alumni.