

Course Number	06058
---------------	-------

2006 「The International Priority Graduate Program (PGP)」

～Advanced Graduate Courses for International Students～

【1. Profile of the University】

①University Department	Ritsumeikan University Graduate School of Science and Engineering			
②President	Mr. NAGATA Toyo Omi			
③Address (Headquarters)	1-7 Nishinokyo-Toganou-cho, Nakagyo-ku, Kyoto 604-8520			
④Contact	Division	Office of Faculty of Science and Engineering Assistant Administrative Manager		
	Contact Person's Name	Mr. OZAKI Koji	e-mail	kojioza@st.ritsumei.ac.jp
	TEL/FAX Number	+81-77-561-2625 ・ +81-77-561-2629		
⑤Web-Address	http://www.ritsumei.ac.jp/eng/			
⑥Enrollment (only Graduate School)	279 (include MEXT's Scholarship Students: 49)			

【2. Outline of the Course】

①Course	International Program for Advanced Industrial Technology -An English-taught program with an emphasis on Technology Management-
②Degree	Master's Program + Doctoral Program (2 Years + 3 Years)
③Graduate Course, Department	Graduate School of Science and Engineering Master's Program in Advanced Science and Engineering Major
	(Address)Noji Higashi 1-chome, 1-1 Kusatsu, Shiga-ken, Japan
④Collaboration (Universities, Graduate courses, Departments)	Graduate School of Science and Engineering Master's Program in Advanced Information Science and Engineering Major Doctoral Program in Integrated Science and Engineering Major
⑤Quota	30 (Master's Program: 25 / Doctoral Program: 5) (include MEXT's Scholarship students: Master's Program: 8 / Doctoral Program: 3) (include Japanese: 0)
⑥Faculty	Master's Program 216 (Full-time(only for this course):186/ Full-time(at the department offering this course):28/Part-time:2) Doctoral Program 193(Full-time(only for this course):180/ Full-time(at the department offering this course):13/Part-time:0)
⑦Representative of the Course	Job Title: Professor, Graduate School of Science and Engineering
	Name: Mr. TAKAKURA Hideyuki

[3. Contents of the Course]

1. Outline of the International Program for Advanced Industrial Technology (IPAIT)

- Ritsumeikan University, one of Japan's most well-known private universities, established the International Program for Advanced Industrial Technology at its new and expansive Biwako Kusatsu Campus (BKC), which was inaugurated in the central area of the Japan Island in 1994. Both Master's and Doctoral courses are offered through this program.
- Students in the International Program for Advanced Industrial Technology have the opportunity to acquire fundamental knowledge of the cutting edge of science and technology that sustains Japan's industrial infrastructure, as well as subjects relating to the management of technological development. Additionally, students are able to take advantage of learning opportunities in technology management through coordination with the Graduate School of Management of Technology.
- As all lectures and instruction are delivered in English, there is no Japanese language requirement, but a broad range of Japanese language courses from beginner through advanced are provided to facilitate Japanese communication for daily living in Japan.
- Prospective students are recruited from various countries around the world. However, the MEXT Scholarship places priority on applicants who are instructors and researchers in higher education from institutions, research organizations and government-related entities in East Asian nations that have concluded Agreements of Cooperation with Ritsumeikan University.

2. Contents of the Program

(1) Established Courses

The International Program for Advanced Industrial Technology Master's Program offers nine courses within the two areas of specialization noted below, and five courses within one area of specialization in the Doctoral Program.

Programs	Areas of Specialization	Courses
【Master's Program】 International Program for Advanced Industrial Technology	Specialization in Advanced Science and Engineering	① Applied Chemistry and Biotechnology ② Electrical, Electronic and Computer Systems ③ Mechanical Engineering and Robotics ④ Environmental and Urban Engineering ⑤ Advanced Technology Fusion Programs Course/Synchrotron Light Life Science Research Program ⑥ Advanced Technology Fusion Programs Course/Micro/Nano Science and Integrated Systems ⑦ Advanced Technology Fusion Programs Course/Disaster Mitigation for Urban Cultural Heritage
	Specialization in Advanced Information Science and Engineering	⑧ Computer Science ⑨ Human Information Science
【Doctoral Program】 International Program for Advanced Industrial Technology	Specialization in Integrated Science and Engineering	① Applied Chemistry and Biotechnology ② Electrical, Electronic and Computer Systems ③ Mechanical Engineering and Robotics ④ Environmental and Urban Engineering ⑤ Information Technology

(2) Curriculum Characteristics and Structure

● Master's Program

As shown in the Table below, Area of Subjects offered within the curriculum of the Master's Program includes Common Subjects including Japanese Language Subjects, Special Major Subjects and Seminar*Research Subjects.

- ① Two Common Subjects related to Management of Technology are uniquely offered (International Technology and Management 1- 2). Internship subjects can be arranged as common subjects allowing students to acquire practical experiences with Japanese-affiliated companies. Internships serve as an introductory education in the event that graduates go on to assume positions with a local branch of a Japanese company operating in their native country.
- ② Two Special Major Subjects related to Management of Technology are uniquely offered (International Technology and Management 3 - 4) in addition to each of the program's nine courses: Applied Chemistry and Biotechnology Course, Electrical, Electronic and Computer Systems Course, Mechanical Engineering and Robotics Course, Environmental and Urban Engineering Course, Three Advanced Technology Fusion Programs Courses, Computer Science Course, Human Information Science Course.
- ③ Students are exposed to a variety of viewpoints from their Supervising Professor and other laboratory instructors via Seminar*Research Subjects throughout the process of thesis creation.
- ④ Importance is placed on the acquisition of functional Japanese abilities to be used as a tool by graduates in negotiations with Japanese interests operating in their home countries. Various Common Subjects in Japanese Language are offered ranging from beginner through advanced (Science and Technology Japanese Presentation 1-4.)

Area	Subjects	Credits Required to Receive Degree
Common Subjects	Science and Technology Japanese Presentation 1-4 Internship International Technology and Management 1 (Technology Transfer, International Regional Economy) International Technology and Management 2	More than 6 credits (2 credits each)

	(Intellectual Property Right)	
Special Major Subjects	International Technology and Management 3 (Research and Development Management) International Technology and Management 4 (International Regional Cooperation, International Development) * In two above-mentioned subjects plus the subjects offered in each of nine Courses, more than five subjects should be selected.	More than 10 credits (2 credits each)
Seminar・Research Subjects	International Industrial Engineering Seminar 1-4 (available every semester) International Industrial Engineering Research (available during the last semester)	More than 14 credits (Seminar 2 credits each) (Research 6 credits)
Total		More than 30 credits

● Doctoral Program

As shown in the Table below, Area of Subjects offered within the curriculum of the Doctoral Program includes Lecture Subjects, Practice・Seminar Subjects and Research・Exercise Subjects.

① Completion of lecture subjects is not absolutely necessary in the Doctoral Program, but in the interests of fostering improved scholastic abilities, study of advanced subjects related to Management of Technology (International Technology and Management I-IV) is recommended. Moreover, overseas internship subjects with thorough student instruction are strongly recommended to foster and cultivate wide-ranging viewpoints through the exchange between student's research activities and research activities at overseas universities and industries.

② In comparison with the Master's Program, special emphasis is placed on research instruction in Research・Exercise Subjects in order to gain Doctoral accreditation within 3 years.

Area	Subjects	Credits Required to Receive Degree
Lecture Subjects	International Internship I - VI (1 credit each) Domestic Internship I - VI (1 credit each) Science and Technology Japanese Presentation I - IV (2 credits each) International Technology and Management I - IV (2 credits each) (Technology Transfer, International Regional Economy, Intellectual Property Right, Research and Development Management, International-Regional Cooperation, International Development)	Recommended Subjects
Practice・Seminar Subjects (1 credit each)	Research Exchange Practice I - VI Research Management Exercise I - VI Exercise of English Presentation I - VI Research Fields Exchange Practice I - VI	Recommended Subjects
Research・Exercise Subjects	International Industrial Engineering Research I - VI (4 credits each) International Industrial Engineering Exercise I - VI (1 credit each)	More than 8 credits from Research

3. Recruitment Period and Recruitment Methods

● Annually between November and December, Ritsumeikan University requests recommendations for the recruitment of MEXT Scholars with an emphasis on those institutes of higher education and government affiliated organizations which have enacted Agreements of Cooperation with Ritsumeikan University. Announcements for the recruitment of Self-financed Students and essential details will be posted on the university homepage every February. The application period is mid-April.

● Recruitment methods are performed in accordance with the following policies:

- ① In the recruitment of faculty and researchers as MEXT Scholars, emphasis is given to institutes of higher education and government affiliated organizations which have enacted Agreements of Cooperation with Ritsumeikan University..
- ② Self-financed International Students are recruited from various countries and regions around the world, but emphasis is placed on recruiting students from East Asian nations and regions such as China, Taiwan, South Korea, Vietnam, Thailand, and Indonesia.

4. Selection Methods and Notification of Selection Results

● The selection of both MEXT Scholars and Self-financed Students is performed through careful examination of submitted documents. However, depending on the location of the applicant, interviews may be performed. In the case of MEXT Scholars in particular, consultation with the applicant's preferred supervising professor is required to confirm the details related to research and study plans, via a personal or online interview.

● After selection is made, notification is sent to both the applicant and his/her affiliated university.

【For detailed information about the International Program for Advanced Industrial Technology, please refer to the homepage of Ritsumeikan University at the following URL】

『<http://www.ritsumei.ac.jp/eng/>』