An Entrusted Program by METI and MEXT

Advanced Education Program for
"Career Development Program for Foreign Students in Japan"

"A Program to Foster Highly Innovative and Skilled Technological Leaders"

Recruitment of Japanese Government MEXT Scholarship Students

: Fostering Elite Global-minds

National University Corporation
GUNMA UNIVERSITY

Aim of the Program

The Graduate School of Engineering at Gunma University and local technological industries are forming a consortium in order to offer programs that focus on nurturing exceptionally talented international students from Asia who wish to find employment with Japanese companies. These programs aim to develop students into internationally-minded technological leaders".

This program offers lectures that cover professional training, business Japanese language, Japanese and business culture which are developed through an association between industries and our university. The program has been designed to nurture students capable of accommodating the needs of Japanese companies developing in Asia, and especially those of local technological industries in Gunma. In addition, it provides support systems for employment placement with Japanese industries, which includes internship participation, employment support lectures and other benefits.

An Image of Fostering Human Resources

This program aims to foster the following human resources.

Persons who can assume leading roles and utilize their highly-specialized knowledge and ability in Japanese technological companies or their overseas offices/plants, while serving actively as bridges between Japan and other Asian countries.

Program Contents

In addition to the regular courses offered at the Faculty of Engineering and the Graduate School of Engineering at Gunma University, students will pursue the following courses.

1. Academic / Industrial Collaboration Course (Production and Management)

A lecturer with an abundance of business experience will deliver the lectures for this course. He/she will be dispatched from a company and will be well equipped with the necessary proficiency to deal with issues that may arise in the classroom.

Students will study highly-advanced knowledge and methodology, both of which are essential elements in the technological portfolio of a technological leader.

This will be done through a series of methods based widely on on-the-job experience and case studies.

2. Gunma University's Advanced Course (Basics of Engineering)

Gunma University faculty members will deliver lectures in this omnibus course designed to help students understand common and basic knowledge in a variety of fields of engineering that are prerequisites for the technological leaders of the future.

3. Business Japanese Language Classes

Several teachers, mainly from the Center for International Studies at Gunma University, will educate students through a team teaching approach. This course aims to help students gain the techniques required for executing the duties of their jobs, such as making presentation, carrying out conversations, writing and listening.

4. Japanese Business Culture Courses

Lecturers dispatched from several industries and organizations participating in this project will be responsible for this omnibus lecture series. Lectures will deal with a wide range of issues that include business manners, the climate of Japanese enterprises, and lectures on problem-solving ability, all of which are essential for working in Japanese companies. In addition, it will offer students a Special Omnibus Lecture Series on Job Duties by lecturers who work at local industries in Gunma.

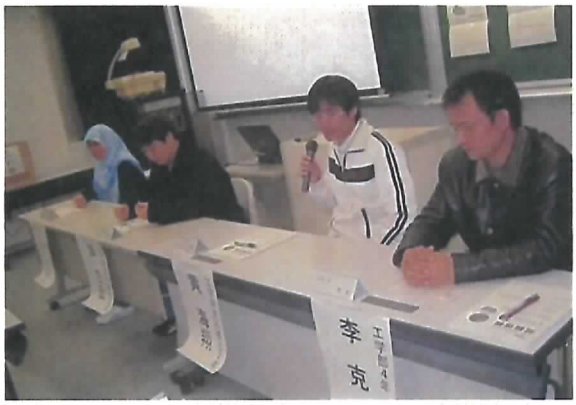
5. Employment Support Course

Under the guidance of lecturers sent from industries and associated organizations, foreign students will study the mental attitudes and concrete methods of job-hunting. This course consists of job interview simulations and reporting sessions on working experiences by graduates presently working for Japanese companies.

6. Internship Program

By forming a tie-up with local project-participant companies, the university is able to offer an internship program (a two-week session as a general rule) in order for enrolled students to gain realistic learning experience through work at manufacturing industries.

A lecture for a small number of students



A report session on job-hunting activities by foreign students

Notice on Employment

- At the beginning of the program, students are required to submit a written pledge. This pledge declares that after completing the two-year program, the students will obtain a job in a Japanese project-participant company or another Japanese company in principle.
- This program is designed to foster individuals who will perform their duties to the best of their ability at the companies, and possess the will to contribute to them for a long time. With respect to these responsibilities, applicants for this program should take this aspect of the course into consideration.
- Students who are enrolled in this program will not be able to get a job automatically at a Japanese project-participant company or another Japanese company. Like other students, they must succeed in the written examination and/or job-interview. Although a certificate will be given to each student upon completion of the course, the applicants for the job will not be judged on the completion of the program, but by their advanced knowledge and competency in the Japanese language.

〈 Consortium Industries participating in the project 〉

The following companies are the main collaborators in this program, in that they carry out the development, administration, lecturing and internship of the program.

Mitsuba Corporation, Fuji Heavy Industries Ltd., Ogura Clutch Co., Ltd.,
Japan Servo Co., Ltd., Ogihara Corporation, Miyazu Seisakusho Co., Ltd.,
Yamada Factory Co., Ltd., Sanden Corporation, Yajima Industry Co., Ltd.,
Sanyo Electric Co., Ltd., Toho Industrial Co., Ltd.,
JAPIA (Japan Auto Parts Industries Association) Associated Member Companies

Scholarship

· International students who are approved to enter this program will receive a scholarship every month as Japanese Government (Ministry of Education, Culture, Sports, Science and Technology) Scholarship students.

Outline of the Scholarship Program for 2008

(1) Estimated Scholarship Stipend
Undergraduate : ¥126,000/month (If a student has arrived only recently from abroad to be admitted to the university as a junior, he/she will receive ¥134,000/month.)
Graduates : ¥160,000/month (If a student has arrived only recently from abroad to be admitted to the university, he/she will receive ¥170,000/month for the first year.)
(2) Year of Tenure: 2 years. (Extension is not permitted.)
(3) Students will receive full exemption from matriculation fees and tuition fees at Gunma University.

Recruitment of Scholarship Students (as of March 2008)

		2007	2008		2009		2010	
		October	April	October	April	October	April	October
Japanese Government Scholarship Students	Undergraduate	1	1	–	1	–	–	–
	Master	3	1	1	3	6	5	6
	Doctor	1	1	6	2	–	1	–
	Total	5	10		12		12	

Schedule from Application / Adoption to the End of Program

Application deadline is set twice a year (April and October).

Application to the Program

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Nominee selection at the Graduate School of Engineering, Gunma University

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University's recommendation of an applicant for a Japanese Government (MEXT) Scholarship

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Arrival in Japan after receiving a Notification of Admission

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Pursuing · Completing the program

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Employment in Japanese company

Program Overview (* The contents may be changed due to the academic year)

Programs to Foster Highly Innovative and Skilled Technological Leaders for the Academic Year 2007.

Gunma University's Advanced Course (Basics of Engineering)
90min.× 8times

1. Technical Expert Training and International Authorization (Obokata)
2. Introduction to Mechanical Engineering (Kumehara)
3. Introduction to Electrical Engineering (Ishikawa)
4. Thermal-Fluid Engineering (Amagai)
5. Introduction to Material and Mechanics (Matsubara)
6. Energy Security in Asia (Takarada)
7. Engine Cycles (Arai)
8. Measuring Combustion and Simulation (Obokata)

* Lectures by the Faculty of Gunma University

Consortium Collaborative Course (Production and Management)
90min.× 6times, 180min.× 2times

1. Technicians' Ethics · Corporate Ethics
2. Global Environment and Company Activity
3. Product Development Strategy
4. Quality Control · Production Control
5. Intellectual Property Activities
6. Introductory Education for a New Employee
7. Plant Tours and Business Practice (180min./1 time)

* Lectures by the Instructors of Special Educational Program

Business Japanese Language Classes
90min.× 15times/1 course

1. Business Conversation
   (Advanced Conversation)
2. Business Writing
   (Advanced Writing)
3. Business Presentation
   (Advanced Comprehensive Japanese A)
4. Business Reading
   (Advanced Comprehensive Japanese B)
5. Business Listening
   (Advanced Listening)

* 1 Sub-Leader
* 5 Business Japanese Lecturers

Japanese Business Culture Courses
90min./1 lecture

1. Business Manners ①
2. Business Manners ②
3. Structure of Japanese Society
4. Climate of Japanese Enterprises
5. Career Development
6. Lecture on Problem-Solving Ability ①
7. Lecture on Problem-Solving Ability ②
8. Lecture on Problem-Solving Ability ③
9. Lecture on Problem-Solving Ability ④
10. Special Omnibus Lecture Series on Job Duties ①
11. Special Omnibus Lecture Series on Job Duties ②
12. Special Omnibus Lecture Series on Job Duties ③
13. Special Omnibus Lecture Series on Job Duties ④
14. Special Omnibus Lecture Series on Job Duties ⑤
15. Special Omnibus Lecture Series on Job Duties ⑥

* 5 Japanese Business Lecturers

Employment Support Course
90min./1 lecture

1. Orientation for Employment
2. Design Your Own Life
3. Employment in Japan
4. How to Find a Job in Japan
5. Employment Opportunities in Gunma
6. How to write an Entry Sheet and
   How to Prepare for a Job Interview
7. Meeting with Successors in Job Hunting
8. Reports on Working Experience
9. Individual Employment Consultation

* 5 Outside Lecturers (2~6)

Internship Program

History of the Faculty of Engineering and the Graduate School of Engineering at Gunma University

The Faculty of Engineering at Gunma University is a faculty with over 90 years of tradition. The original campus, the Kiryu Higher Dyeing and Weaving Vocational School, was founded in 1915 and after the college had been renamed several times, the Faculty of Engineering at Gunma University was established in 1949. Over 27,000 students, including graduate students, have graduated prior to the educational reform. They have been playing active roles in industries throughout Japan and even in foreign countries.

The Graduate School for the master's degree was established in 1964, and it became the Graduate School of Engineering offering both the earlier period (master) and the latter period (doctorate) of its Ph. D. programs in 1989. In 2007, the Faculty of Engineering was reformed and became an educational institution focused on the graduate school. In each course of the graduate school, offerings include lectures of the Cooperation Program amongst the Graduate School at Gunma University and the other Graduate Schools/research institutions, the Corporate Donated Chairs and other institutions, as well as special lectures by researchers and technicians who play active roles in companies and in tripartite "industry-academic-government" collaborative research projects actively being pursued.

Nearly 150 foreign students from various countries in the world are now enrolled in both the Faculty of Engineering and the Graduate School of Engineering at Gunma University, and they are given ample support in order to concentrate comfortably on their studies and research.

Characteristics of southeastern Gunma Prefecture

The city of Kiryu and the surrounding region, where the Faculty of Engineering and the Graduate School of Engineering at Gunma University are located, were formerly well-known as a silk-fabrics-producing area all over Japan. The technologies brought up there are presently applied to industries that manufacture automobiles, automobile-parts, and electric equipment products, and the area is regarded as the economical hub of the Kanto District. On the other hand, thanks to the abundant nature of the mountains that surround the northern part of Kiryu and the waters of the Watarase River that flow through the middle of the city, the richness of nature provides students with an especially pleasant atmosphere for studying and carrying out research.

※This program is carried out at the Faculty of Engineering, the Graduate School of Engineering, the Kiryu Branch of the Center for International Studies at Gunma University, and others. (Kiryu, Gunma)

Outline of the Japanese Government Scholarship Students under this Program

Intake Period	Type of Scholarship	Year/Course	Department/Major	Sex	Country
October 2007	Japanese Government Scholarship	Third-year Undergraduate	Mechanical Systems Engineering	M	Vietnam
		First- year Master	Electrical & Electronic Engineering Major	M	China
		First- year Master	Information Engineering Major	F	China
		First- year Master	Information Engineering Major	M	China
		Second- year Doctor	Production Engineering Major	M	Vietnam

Intake Period	Tyoe of Scholarship	Year/Course Enrolled In	Department/Major	Sex	Country
April 2007	Japanese Government Scholarship	Third-year Undergraduate	Mechanical Systems Engineering	M	Vietnam
		First- year Master	Mechanical Systems Engineering Major	M	Vietnam
		Second- year Doctor	Mechanical Systems Engineering Major	M	China

※The above table describes the outline as of March 2008.

-The Faculty of Engineering and the Graduate School of Engineering at Gunma University in the History of Kiryu District-

The city of Kiryu is located along the Japanese Silk Road in the northern part of the Kanto Plain that connects the sericulture and silk textile producing cities from Chichibu in the west to Yuki in the east. It is said that Ieyasu Tokugawa created this first industrial area, and that 2,410 bolts of silk for silk banners were presented to him at the battle of Sekigahara. It has also been said that there had already been 2,410 looms at the time since a bolt of silk was allotted to each loom (Hideo Sawa: Murasaki-Kai News, No. 23). In effect, this first area was the Kiryu Higher Dyeing and Weaving Vocational School, the forerunner of the Faculty of Engineering at Gunma University, that was founded in 1915 through the diligent efforts of local volunteers in order to develop the technologies of dyeing and weaving in Kiryu.

Being a well established educational institution nearing its 100th year of funding, many Europeans and Americans have visited Kiryu to participate in producing and trading these silk fabrics, and many foreign students from Southeast Asia have come here to acquire silk fabric production skills. It is said that a foreign student taught Indian recipes to the owner of the long-established restaurant "Basho" in Kiryu; and this implies that a prosperous exchange in terms of both technologies and culture has been going on here.

Meanwhile, in 2007, under the new system that places priority on graduate school education, the Faculty of Engineering at Gunma University has continuously contributed to the development of technology in this area by working on collaborative research with local industries as it endeavored to create an international faculty carrying out vigorous academic and research exchanges with other foreign countries. The number of foreign students enrolled as undergraduate, graduate and research students, approximates 200 at present.

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