

Project for Promotion of Global Human Resource Development

Type B

Yamaguchi University

Number of Undergraduate Students: 2,562 persons

[Target Faculties: Faculty of Engineering* (530), Graduate school of Science and Engineering(359)]

1. Objectives, Specific Image of the Ideal Global Human Resource

The objective is to educate and cultivate Japanese undergraduate and graduate students to be global engineers who have professional leadership in engineering technology, especially in East and Southeast Asian countries.

2. Summary of the Plan

The Global Engineering Development Center (GEDC) is established in the faculty of engineering to transfer an existing global engineering education program in Civil engineering department to other departments updating with efforts to acquire an international viewpoint, self-study ability and language skills.

1. Internationalization of the Curriculum

In the name of target faculties, marked *shows representing faculty.

(I) The global engineer training program currently practiced in the East Asia international course of the department of civil engineering is transferred to other departments of the faculty of engineering. And the globalization of the curriculum and the faculty development of global educational standard are attained.

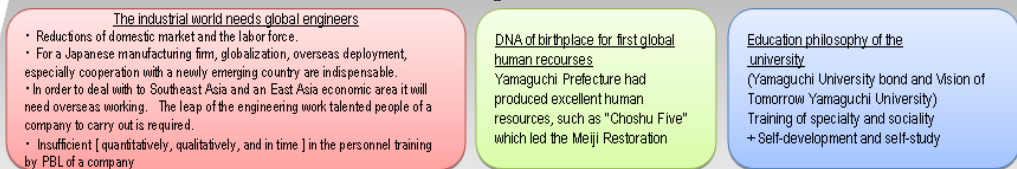
(ii) Yamaguchi produced the "Choshu fives" which is the first global talented people in Japan. DNA of human resource training will still be inherited here in the 21st century.

(iii) The dynamism of ASEAN and the East Asia developing nations is taken place. So the global engineers supporting the industry of Japan are trained.

2. Effort to Cultivate Global Human Resources



Background



3. Improvement of Foreign Language Competencies

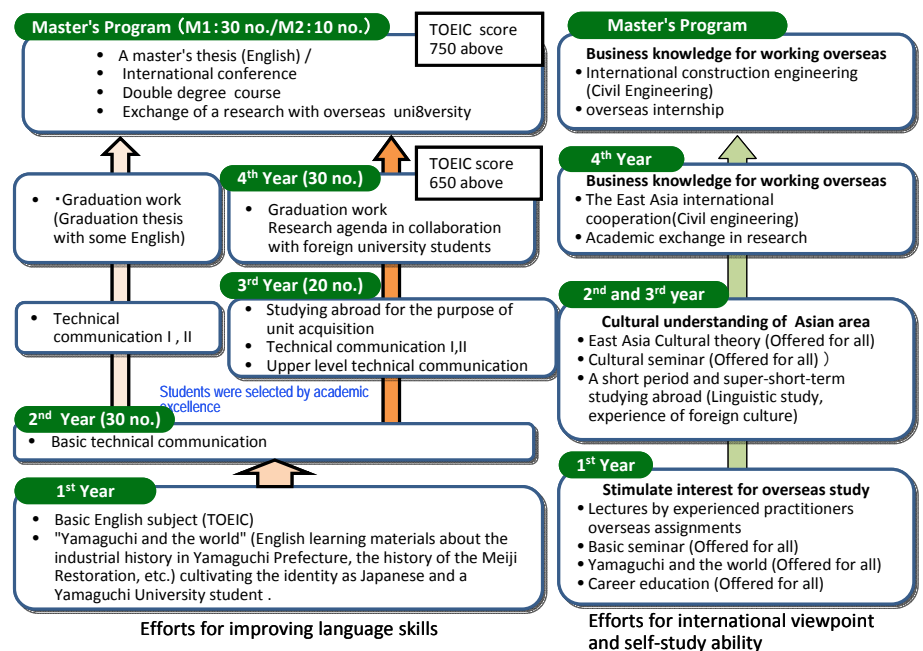
(I) In a faculty entrance examination and a graduate school entrance examination, foreign language capability, and studying abroad experience would be evaluated.

(II) General English education is provided in first grade education, and language teaching (class according to skill level) with the engineering content is introduced into technical curriculum.

4. Faculty Development for Global Education

(I) In faculty of engineering, Global Engineering Development center is established to attain the faculty development of global educational standard

(II) The training support office of the center promotes the following points. a) to adopt the staff who trains a global engineer. b) to develop a support system of undergraduate students studying abroad, c) to develop a method of training a global engineering education, d) to dispatch educational information in multi-language by Web



5. Support System to Promote Study Abroad

(I) The explanation of the significant to studying abroad began from a first grade form the viewpoint of educational effect, job-hunting activities, industrial globalization and so on.

(II) A studying-abroad program is developed by overseas training office in the centre.



Capability enforced in the project

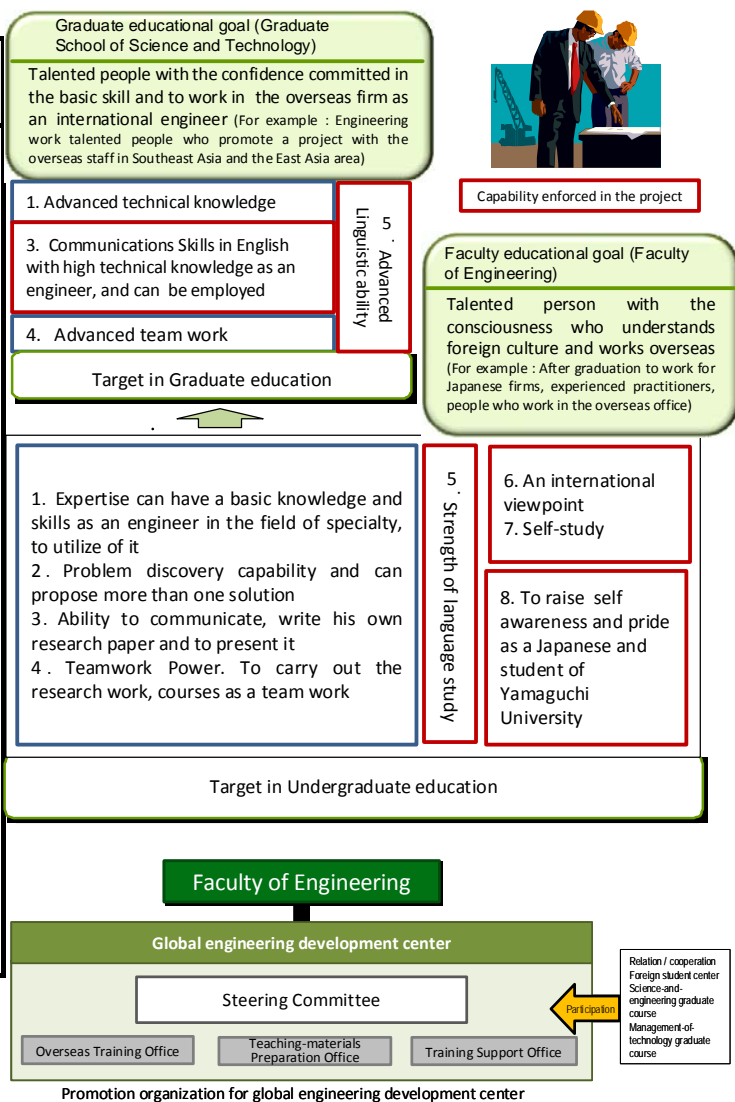
Specific Competencies for Graduates

The following specific competencies will be taken for cultivation as the global engineer:

(i) To have the awareness for working overseas understanding the different cultures (for undergraduate student)
 This refers to development of human resource in undergraduate student level and have the idea to work with multinational company, people who work in the overseas office, product procurement and other trading negotiations with foreign countries such as delivery.

(ii) To have a basic skills for global engineer and the confidence as an international engineer international business (for graduate students)
 This refers to the development of human resource in graduate level by professional education. After finding a job at a Japanese engineering company, the aim is to adjust with the plan of the head office, and the business environment of a field, and to promote a project on a local crossing target making full use of a professional skill. After graduation they will be able to work in Japanese company or multinational company and be able to lead the project in where multi national people are working.

Organized into eight capabilities as shown in the figure to the right, global engineers capabilities listed in this plan to be provided, while the education in light of educational goals and characteristics of Yamaguchi University.



Indicative Outputs of the Project		2011	2012	2013	2014	2015	2016
Total							
Number of students who meet requirements for foreign language proficiency				5	15	35	55
Of the above, Number of students not to study abroad (A)				5	5	10	10
Number of students studying abroad (B)		3	10	20	45	60	80
Number of graduates (C)		571	530	530	530	530	530
Ratio ((A+B)/C)				4.7%	9.4%	13.2%	17.0%
Faculty of Engineering	Requirement for Foreign Language Proficiency	TOEIC 650		5(5)	15(5)	35(10)	55(10)
	Number of Students Studying Abroad	3	10	20	45	60	80
	Less than 3 months	3	10	20	42	55	70
	3 months to 1 year	0	0	0	3	5	10
	More than 1 year	0	0	0	0	0	0
Number of graduates		571	530	530	530	530	530

Note:

*1 The number in "()" indicates "Number of students not to study abroad with credit recognition or credit transfer" out of "Number of students who meet requirements for foreign language proficiency".

*2 "Number of students studying abroad" excludes the number of students studying abroad without credit recognition or credit transfer.