

Project for Promotion of Global Human Resource Development

Type B

Shibaura Institute of Technology

Annual Quota for Undergraduate Programs: 1,610

[Target College: College of Engineering (1,040)]

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

Shibaura Institute of Technology (SIT) defines Global Human Resources as those who are able to contribute to the world with four integrated capabilities: communication skills, global humanity, cross-cultural understanding, and capacity for solving problems.

2. Summary of the Plan

On the basis of the educational framework that SIT has developed assuring quality eligible for the global standard by the PDCA cycle, we will execute a globalization program focusing on (1) improvement of integrated global educational power of academic and administrative staff by a systematic approach, (2) language skill education, and (3) support for a study program abroad which would promote cross-cultural understanding.

1. Internationalization of the Curriculum

(I) Quality assurance of the curriculum

Quality of the curriculum is assured by the PDCA cycle: learning objectives oriented to global adaptability (P), assisted by a curriculum editor (D), and evaluated by rubrics (C), which is compliant with JABEE (compatible with the Washington Accord).

(II) Strategic worldwide publishing of educational information

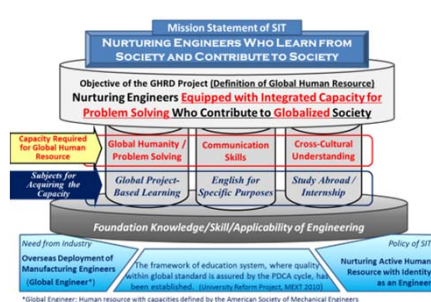
Information on SIT's education system is published in printed form and through our website.

(III) Globalization of administrative office

Number of administrative staff who can communicate in English will be increased. Formats and documents in English will also be prepared.



Image of global problem-based learning class



Framework of global human resource development

2. Efforts to Cultivate Global Human Resources

(I) Communication skills

A systematic language education program including English for specific purposes, e-learning for self study, and delivery in English (in part) will be implemented.

(II) Global humanity and capacity of solving problems

A new subject where a project-based learning class is shared with foreign partner universities will be introduced. Evaluation will be conducted using rubrics.

(III) Cross-cultural understanding

Overseas training and internship programs will be included in the curriculum. An electronic learning portfolio will be employed for self-check of global adaptability.

3. Improvement of Foreign Language Competencies

(I) Appropriate evaluation of global adaptability and experience in the entrance examination

A special entrance examination for returnees will be implemented in order to evaluate their experience overseas. English courses are differentiated according to the level of proficiency.

(II) Efficient language education system

Language skills will be measured five times using TOEIC while in school. English for specific purposes, delivery in English for a part of core subjects, and e-learning will be introduced to enhance language learning.

4. Faculty Development for Global Education

(I) Globalization of academic staff

Global adaptability of academic staff will be strengthened by sending them to foreign universities for 3–12 months. In the hiring interview for academic staff, evaluation of experience overseas and language skills will be weighted more than before.

(II) Improvement of global education skills

Leaders in global companies and academic staff at progressive universities, where globalization of education and/or project-based learning is effectively implemented, will be invited to seminars and workshops as part of faculty development.

5. Support System to Promote Study Abroad

(I) Promoting motivation for study abroad

Information regarding the effect of study/internship abroad, competency nurtured during the experience, and experiences of recent graduates or senior students will be summarized as promotional resources for students.

(II) Support system during the visit and follow-up

Satellite offices will be established in ASEAN countries where most short visit students are stationed in order to monitor the health and academic status of students and for emergency care. Career counseling will be conducted as a follow-up.

Specific Competencies for Graduates

[Communication Skills: Language & Communication Skills] Based on the field of engineering, ability to achieve mutual understanding with the help of language skills, products and services, etc.

[Global Humanity: Spirit of Independence-Proactivity-Spirit of Challenge, Mindset of Cooperativeness-Flexibility, Sense of Commitment-Responsibility] Ability to realize international cooperation with a long-term vision even in a competitive situation

[Cross-cultural Understanding: While maintaining identity as a Japanese] Ability to understand natural/economical environment and cultural/religious background, to accept cultural diversity, and to convey Japanese culture through action

[Capacity for Solving Problems: Ability to identify problems and solve them ethically] Ability to judge the social impact of technical and economic activities

Indicative Outputs of the Project

Total		2011	2012	2013	2014	2015	2016	
Number of students who meet requirements for foreign language proficiency				160	300	500	750	
Of the above, Number of students not to study abroad (A)				105	240	430	600	
Number of students studying abroad (B)		48	50	55	60	70	150	
Number of graduates (C)		1399	1200	1200	1200	1200	1200	
Ratio ((A+B)/C)				13.3 %	25.0 %	41.7 %	62.5 %	
College of Engineering	Requirement for Foreign Language Proficiency	CEFR B1		160 (105)	300 (240)	500 (430)	750 (600)	
	Number of Students Studying Abroad		48	50	55	60	70	150
	Less than 3 months		48	50	55	60	70	150
	3 months to 1 year		0	0	0	0	0	0
	More than 1 year		0	0	0	0	0	0
	Number of graduates		1399	1200	1200	1200	1200	1200

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.