

## University Consortia

### APRU: Association of Pacific Rim Universities

<http://www.apru.org/>

The Association of Pacific Rim Universities (APRU) was established in 1997 with aim of fostering cooperation in education, research and enterprise thereby contributing to the economic, scientific and cultural advancement in the Pacific Rim. APRU has grown rapidly to become a reputable international organization of premier research universities in the Pacific Rim. APRU is now composed of 42 universities, Tohoku University joined APRU in 2008. APRU organizes student-centric activities, research-centric activities, and human capital development activities. APRU holds annual meetings for presidents and senior staff of the APRU member universities to discuss and plan APRU's future activities.

### AEARU: The Association of East Asian Research Universities

<http://www.aearu.org/>

The Association of East Asian Research Universities (AEARU) is a regional organization founded in January 1996, with the goals of forming a forum for the presidents of leading research-oriented universities in East Asia and of carrying out mutual exchanges between the major universities in the region. Expectations are that this regional union, on the basis of common academic and cultural backgrounds among member universities, will contribute not only to the development of higher education and research but also to the opening up of a new era leading to cultural, economic and social progress in the East Asian region. AEARU activities include workshops, student summer camps, student sports competitions, and various types of international symposia. These activities are held throughout the year to promote mutual exchanges of ideas and information and to develop close bonds between the member universities.

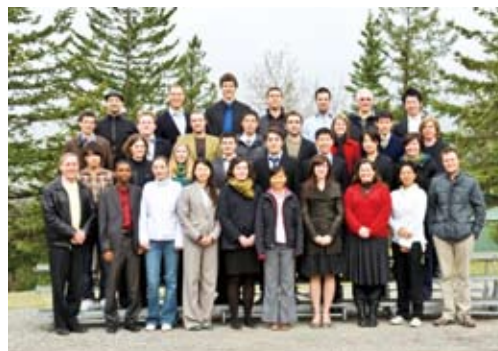
AEARU is now composed of 17 universities from China (6), Japan (6), Korea (3), and Taiwan (2). Tohoku University joined AEARU in 1998 and has actively engaged in its activities as a member university.

### T.I.M.E: Top Industrial Managers for Europe

<https://www.time-association.org/>

T.I.M.E. was established in 1989 as an international network of leading higher educational institutions which specializes in engineering. Its door has been open for non-European institutions since 2005 and Tohoku University was accepted as the first Asian member together with Keio University in 2007. It is now composed of 56 member institutions from 22 countries. Its main focus is master-level Double Degree Programs and it now has over 2,500 bilingual, bicultural engineer graduates. T.I.M.E. launches other innovative exchange programs through task forces formed by member institutions to foster internationally competitive engineers for tomorrow's world.

In July 2008, Tohoku University was selected for the Support Program for International Cooperation and Collaboration - support for comprehensive strategy - by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), for unprecedented large-scale exchange programs with T.I.M.E. member institutions.



## Global 30

The "Project for Establishing Core Universities for Internationalization (Global 30)" was enacted by the Ministry of Education, Culture, Sports, Science and Technology in 2009 to support a government plan to increase the number of incoming international students to 300,000 by 2020. As a selected Global 30 core university, Tohoku University launched a program called "Future Global Leadership" which aims to produce students who possess an international perspective, high-level of education and specialist knowledge, and solid research and practical skills, and to foster and produce leaders who will be active on a global scale. As a part of this program, Tohoku University has established a number of degree courses which students can take in English and will inaugurate more such courses soon. Other internationalization strategies are: expansion of short-term exchange programs, enhancement of the international student support system, promotion of study abroad for Tohoku University students and development of on-campus internationalization.

## Global 30

### Courses Offered in English

M=Master's course, D=Doctoral course

	Name of the Courses	School	Year of Establishment
<b>Undergraduate Courses</b>	Advanced Molecular Chemistry Course	Faculty of Science	October, 2011
	International Mechanical and Aerospace Engineering Course - Undergraduate	School of Engineering	October, 2011
	Applied Marine Biology Course	Faculty of Agriculture	October, 2011
<b>Graduate Courses</b> (Chronological order of established year)	International Doctoral Program in Engineering, Information Sciences and Environmental Studies (D)	Graduate School of Engineering, Information Sciences, Environmental Sciences	October, 2001
	International Graduate Program for Advanced Science (M/D)	Graduate School of Science	October, 2004
	International Post-Graduate Program in Human Security (M/D)	Graduate School of Medicine, Environmental Studies, Agricultural Science and International Cultural Studies	April, 2005
	International Program for Environmental Sustainability Science (M/D)	Graduate School of Environmental Sciences	October, 2009
	International Program in Economics and Management (M/D)	Graduate School of Economics and Management	October, 2010
	International Mechanical and Aerospace Engineering Course - Graduate (M)	Graduate School of Engineering	October 2010
	International Materials Science and Engineering Course (M)	Graduate School of Engineering	October, 2010
	International Course of Life Sciences (M/D)	Graduate School of Life Sciences	April, 2011
	Information Technology Science Course (M)	Graduate School of Information Sciences	April, 2011
	Interface Oral Health Science Course (D)	Graduate School of Dentistry	October, 2011
	Basic Medicine Course (M)	Graduate School of Medicine	April, 2012
	Network Medicine Course (D)	Graduate School of Medicine	April, 2012
	International Graduate Program in Language Sciences (M)	Graduate School of International Cultural Studies	October, 2013

#### International Doctoral Program in Engineering, Information Sciences and Environmental Studies

This is a special course for international students who demonstrate outstanding scholastic ability. The program offers elective courses in English. (Participation is limited to 25 students, including 12 students who are awarded a Japanese Government Scholarship.)

<http://www.eng.tohoku.ac.jp/english/program/?menu=itn>

#### International Graduate Program for Advanced Science (IGPAS)

This is an interdisciplinary program for international students studying towards master's and doctoral degrees at the Graduate School of Science, where research lectures and seminars are conducted in English. (Admission is limited to 20 students each for master's and doctoral programs, including 8 master's students with the Japanese Government Scholarship.)

<http://www.sci.tohoku.ac.jp/english/2nd/igpas.html>

#### International Program for Environmental Sustainability Sciences

The International Program for Environmental Sustainability Sciences is a course for master's and doctoral students from overseas seeking expertise in environmental science. The course will enable students to take active roles in dealing with environmental issues. Annual enrollment is limited to 7 students for the master's course and 5 students for the doctoral course per year.

<http://www.kankyo.tohoku.ac.jp/en/g30.html>

#### International Post-Graduate Program in Human Security

This program conducts research and education for understanding intricate structure of various problems spreading to the areas of Food, Health, Environment and Regional Community with the goal of contributing to true "Human Security" (4 master's students and 6 doctoral students are admitted as of 2010.4.)

<http://human-security.jp/>

### Tohoku University Day

Tohoku University was selected as one of 13 core universities of Global 30 project by Ministry of Education, Culture, Sports, Science and Technology (MEXT) in 2009. In order to promote receiving many excellent students and student exchange programs, Tohoku University started to hold a series of "Tohoku University Day" in cooperation with counterpart universities. Its main purpose is introduction of Tohoku University and explaining the study at Tohoku University as international students. "Tohoku University Day" was held at Shanghai Jiao Tong University, Shanghai, China on December 18, 2009, at Northeastern University in Shenyang, China on March 13, 2010 and at Bandung Institute of Technology, Bandung, Indonesia on March 18, 2010 in 2009 fiscal year. "Tohoku University Day" will be held at some universities in China in 2010 fiscal year.



Tohoku University Day at Bandung



TESP Hands-on-Activity



TESP Japanese Culture Experience

## Students Exchange Programs

### Double Degree Program with Overseas Institutions

As society becomes increasingly globalized, Tohoku University has launched double degree master's programs with elite institutes of higher education in France, Sweden and China to develop the next-generation of human resources. In fiscal year (FY) 2006, the Écoles Centrale Group (composed of five Écoles Centrale [Lille, Lyon, Marseille, Nantes, Paris]) and the Institut National des Sciences Appliquées de Lyon (INSA-Lyon) became our program partners in France, both of which are grandes écoles, leading institutes which attract top students from France and other countries around the world, offering the finest in education. KTH (Royal Institute of Technology), Sweden and Tohoku University signed their MOU for Double Degree program in March, 2009. KTH is a leading technical institution in Europe and conducts extensive international student exchange. Our partner in China is Tsinghua University, an institute of higher learning which is presently attracting much international attention. The Double Degree Programs of Tohoku University deal with the fields of agricultural science, engineering, environmental studies, information sciences and science.

### Tohoku University Junior Year Program in English (JYPE)

The main purpose of this program is to offer international students an opportunity to take science and engineering courses at Tohoku University, without having to attain proficiency in the Japanese language that would be necessary when taking the same courses in Japanese. All lectures are held in English and the course awards the same credits as equivalent courses offered in Japanese.

The program also offers courses on the Japanese language, culture and society aimed at promoting understanding of Japan's language and its social customs. Cultural and intellectual exchange with professors and students is an integral part of this program and will be accomplished through class work as well as participation in the activities of research groups.

The one-year course commences on October 1st admitting approximately 70 students. Applicants are recommended to take the one-year course, since most classes are designed for one full year. However, some students are admitted to a 6-month course if requested.

## Students Exchange Programs

### Tohoku University International Program in Liberal Arts (IPLA)

IPLA provides an opportunity for overseas students to study a variety of Liberal Arts classes including Economics, Management, Education and Literature at Tohoku University, Japan. The program also offers Japanese language and culture classes in order to provide students with an understanding of Japanese language and customs. Participating students are required to take Japanese language and culture classes and Independent Study along with the IPLA seminar where the students report their study progress and receive feedback from their colleagues. Some advanced students may take graduate level classes offered at Tohoku University.

All the classes will be taught in English including Japanese language classes.

Students who have attained adequate Japanese proficiency may take advanced Japanese language classes taught in Japanese or regular classes with Japanese students.

Culture and intellectual exchange with Japanese students is an important part of the program and is achieved through group activities and interaction with local Japanese students both in classes and as extracurricular activities.

<http://www.insc.tohoku.ac.jp/cms/index.cgi?pg=100915141356>

### Industrialised Countries Instrument Education Cooperation Programme (ICI ECP) and Cooperative Laboratory Study Program (COLABS)

ICI ECP and COLABS are graduate-level research oriented programs which offer an opportunity for international students from partner universities to take scientific research training in the assigned research laboratory as well as to get basic education courses taught in English. In the ICI ECP and COLABS, there is a wide range of research topics in science, engineering, information science, life science, environmental studies, bio-engineering, and agriculture on offer and students are encouraged to conduct their researches in new, interdisciplinary, scientific fields.

<http://www.insc.tohoku.ac.jp/cms/index.cgi?pg=70801104245>

### Summer Programs

#### Tohoku University Summer Program (TUSP)

TUSP is an interdisciplinary program for undergraduate students and started in 2007. This year, TUSP 2010 adopted the theme "Interdisciplinary Study between Advanced Technology and Social Science". Students from counterpart universities of China, Finland, France, and the United States attended this program for two weeks (July 25 - August 7) in 2010.

#### Tohoku University Engineering Summer Program (TESP)

This program is research oriented summer program at master course level in the field of Science and Engineering and started in 2010. The theme of this year's program was "Robotics" and the duration was two weeks (July 25 - August 7). The participating students came from counterpart universities in Europe.

### Renault Program

There are three scholarship programs awarded to exchange students by the Renault Foundation. These Programs are designed to enable students to study the social and economic systems and cultures of Europe, with a focus on France.

#### MBA Dauphine - Sorbonne - Renault

This program offers courses that will allow students to acquire corporate management techniques, management techniques in a global environment, and the necessary management skills in higher levels of corporate responsibility.

#### Master ParisTech Fondation Renault

The program goal is to foster human resources who are able to take responsibility for a project by adapting it to the context of sustainable development, as well as with respect to the main issues at stake in the transportation sector, namely those of intermodality, the interface between transportation systems, space and mobility, and the economic and social impact of the transportation sector.

#### Cycle Majors Renault

This program offers Japanese graduate students the opportunity to stay in France for a year to study the subject of their choice, providing it is connected with business professions. Each application will be examined so as to guide students towards the most appropriate training.

### Special Japanese Language Program for International Students and Scholars

This program is open to the international students and scholars at Tohoku University. It aims to improve the students' ability in practical Japanese and basic academic skills in Japanese and to help them to adapt to their new living environments.