

University Consortia

APRU: Association of Pacific Rim Universities

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.

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

AEARU: The Association of East Asian Research Universities

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.

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

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

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 54 member institutions from 21 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.

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

Project for Establishing University Network for Internationalization - Global 30 -

The "Project for Establishing University Network 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 (FGL)" 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 leaders who will be active on a global scale. As a part of this program, Tohoku University has established a number of degree courses taught 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.



Project for Establishing University Network for Internationalization - Global 30 -

Courses Offered in English

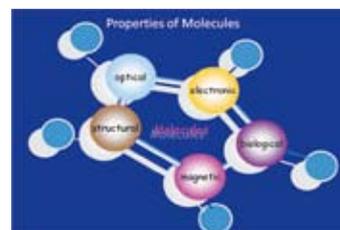
		M : Master's Program D : Doctoral Program	
	Name of the Courses	School	Year of Establishment
Undergraduate Courses	Advanced Molecular Chemistry Course	Faculty of Science	October, 2011
	Applied Marine Biology Course	Faculty of Agriculture	October, 2011
	International Mechanical and Aerospace Engineering Course – Undergraduate	School of Engineering	October, 2011
Graduate Courses (Chronological order of established year)	International Doctoral Program in Engineering, Information Sciences and Environmental Studies (D)	Graduate School of Engineering, Information Sciences, Environmental Studies	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 Studies	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/D)	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 and Science Course (M)	Graduate School of Information Sciences	April, 2011
	Interface Oral Health Science Course (D)	Graduate School of Dentistry	October, 2011
	International Graduate Program in Language Sciences (M)	Graduate School of International Cultural Studies	October, 2011
	Basic Medicine Course (M)	Graduate School of Medicine	April, 2012
	Network Medicine Course (D)	Graduate School of Medicine	April, 2012

As the feature of this program in FY 2011, Tohoku University is starting three new undergraduate degree courses taught in English from October.

Advanced Molecular Chemistry (AMC)

AMC is focused on chemistry and materials science research. Students will have the opportunity to learn innovative methods for designing advanced materials, bio-inspired approaches to functional materials, materials chemistry for information technology, advanced methods for materials characterization, and organometallic chemistry. In order to prepare a graduation thesis, most students enrolled in this course will be assigned to research institutes such as IMR, IMRAM, and WPI.

URL: <http://www.sci.tohoku.ac.jp/amc/>
Email: amc@m.tohoku.ac.jp

**Applied Marine Biology (AMB)**

AMB is a marine science course with an emphasis on research applications to all aspects related to harvesting food from natural and aquacultured marine animals and plants. Grounded in basic sciences AMB students receive instruction and training in ecology, physiology, biochemistry, molecular biology and bioinformatics in all aspects of the Faculty of Agriculture themes of "Food, Health and Environment."

URL: <http://www.agri.tohoku.ac.jp/amb/>
Email: kokusai@bios.tohoku.ac.jp

**International Mechanical and Aerospace Engineering Course (IMAC-U)**

IMAC-U is an international undergraduate course in the Department of Mechanical and Aerospace Engineering, School of Engineering. The department consists of more than 100 laboratories studying subjects such as systems design, fluid dynamics, thermal engineering, materials engineering, micro/nanotechnologies, aerospace engineering, robotics, biomedical engineering, information science, quantum science and energy, and environmental studies.

URL: <http://g30.eng.tohoku.ac.jp/imac/>
Email: imac-u@mech.tohoku.ac.jp



Tohoku University Day

In 2009, Tohoku University was selected as one of 13 core universities for the Global 30 project by the Ministry of Education, Culture, Sports, Science and Technology (MEXT). Tohoku University has held a series of "Tohoku University Day" events to promote the acceptance of many excellent students and student exchange programs as well as to enhance educational and research collaboration. In fiscal year 2010, "Tohoku University Day" was held at Xiamen University, Tsinghua University, and Chongqing University, China, in October and November. President Inoue, Executive Vice President Kitamura and professors from relevant Graduate Schools and Research Institutes attended these events. Having received the full cooperation of the host universities, we believe that the "Tohoku University Day" events will lead to an increase in the acceptance of international students and further expansion of exchange in education and research.



TESP Seminar on Robotics



JYPE, ICI ECP&COLABS Joint Closing Ceremony



JYPE Aikido Class

Students Exchange Programs

Double Degree Program with Overseas Institutions

As society becomes increasingly globalized, Tohoku University is conducting master's level double degree 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 science, engineering, agricultural science, information sciences, and environmental studies.

Tohoku University Junior Year Program in English (JYPE)

The main purpose of this program is to offer international students an opportunity to take science, engineering, and agricultural science 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 core (required) course of this program is the Individual Research Training course, where students will research, with the support of research groups to which the students are assigned, in a current topic that is related to their field of studies.

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 30 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.

<http://www.insc.tohoku.ac.jp/jype/index.html>

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-e.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 take 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, biomedical-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 Science Summer Program (TSSP)

TSSP is a summer program designed for undergraduate students from partner universities. It evolved from Tohoku University Summer Program (TUSP) started in 2007. The main feature of TSSP is that it is interdisciplinary. The participants can study cutting edge science and engineering research fields and social sciences in order to examine how advanced technologies can be applied to society.

Tohoku University Arts and Letters Summer Program (TASP)

TASP is a summer program that was newly launched in 2011. It is designed for (but not restricted to) undergraduates majoring in liberal arts and social sciences. It aims to provide students with comprehensive analytical skills, and to contribute to new growth and development in the areas of the humanities and social sciences. TASP is operated together with TSSP, so TASP participants can attend some of the TSSP lectures.

Tohoku University Engineering Summer Program (TESP)

This program is a research oriented summer program for graduate students in the field of Engineering. It started in 2010. In 2011 the theme of the program was "Robotics". This year, after the Great East Japan Earthquake, the participants from the universities in Europe and Korea could learn the newest robotics application to the disaster operations.

TSSP, TASP Program Information

<http://www.insc.tohoku.ac.jp/cms/index-e.cgi?pg=100915145040>

TSSP, TASP, TESP Activity Report Video

<http://www.fgl.tohoku.ac.jp/movie/index2.shtml>

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.

<http://www.insc.tohoku.ac.jp/jype/index.html>