

Education Programs

Tohoku University promotes the following educational programs with support from the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

The Program for Leading Graduate Schools

To guide excellent students to become global leaders able to work in the wide industry-university-government sectors, this program constructs and develops credit programs that guarantee interdisciplinary world-class education, supports far reaching reforms of postgraduate education and promotes the forming of graduate schools worthy of a top educational institution.

Year	Department	Program	Contents
FY2012 - FY2018	Faculty of Engineering, Faculty of Science, Faculty of Art and Letters, International Research Institute of Disaster Science etc., 12 faculties and institutes	Inter-Graduate School Doctoral Degree Program on Science for Global Safety	This program aims to produce leaders for global safety capable of contributing in protecting human lives, society and industry from global disasters such as the Great East Japan Earthquake, not only in the academic field, but also in other fields such as global enterprises and international organizations.
FY2013 - FY2019	Faculty of Engineering, Faculty of Science etc., 11 faculties and institutes	Interdepartmental Doctoral Degree Program for Multi-dimensional Materials Science	The objective of the MD Program is to cultivate human resources through creating materials leaders whose understanding of materials is based on a diverse range of perspectives and a firm grasp of the fundamentals of material science. When combined with extensive research experience, these leaders will be able to envision how their concepts of materials for the future will change society and to bring about those changes.

Project for Strengthening Central Functions of Universities and Affiliated Institutions in the Reconstruction of the Region

This program, while reconstructing the communities in the disaster areas and regenerating the regional industries and community medicine, helps universities and affiliated institutions strengthen their central functions in the reconstruction of the communities.

Year	Department	Program	Contents
FY2011 - FY2015	Graduate School of Medicine	Comprehensive Education Center for Community Medicine Support Project	Through acceptance and reeducation of medical personnel from disaster areas and education for students and young medical personnel to enable them to respond to the needs of disaster medicine, this program aims to contribute to the reconstruction of community health care in disaster areas.

Future Medical Researchers Training Hub Development Program

This program will contribute to solutions to medical problems associated with the rapid population ageing. In order to vigorously promote the development of medical science and health care, both inside and outside Japan, we support the distinctive efforts with high novelty and originality.

Year	Department	Program	Contents
FY2013- FY2017	University Hospital	Educational Program for Training "Conductor-type" Practitioners of Comprehensive Interprofessional Medical Orchestra	Conventionally, advanced clinical medicine education, practical comprehensive medical care training, and medical management learning, have been performed independently at the university hospital and local hospitals. However, by the university hospital and local hospitals implement these together, it will become possible that the practitioners have medical skills and career improvement as doctors and researchers, while engaged in community medicine.

Cancer Professional Training Promotion Plan

This program aids in fostering intelligent, highly-skilled medical professionals who specialize in the field of cancer; those who become carcinoma doctors, etc.

Year	Department	Program	Contents
FY2012 - FY2016	Graduate School of Medicine	Tohoku Cancer Professional Cultivation Promotion Plan	This program fosters the ability to promote academic knowledge, skill, and clinical studies on international level, which is necessary for cancer medicine. Through the collaboration of university, region, other occupational fields (medical team), and the patients association this comprehensive program aims to promote local cancer treatment and research including home healthcare and palliative care.

Nurturing Future Doctors Active on the World Stage After the Reformation of Medical Education in Basic and Clinical Sciences

We support excellent programs intending to cultivate MD researchers of basic medicine at the medical school and graduate school of medicine.

Year	Department	Program	Contents
FY2012 - FY2016	School of Medicine	Nurturing MD researchers competitive in the world arena	Based on a needs assessment of students and faculty, we will establish a highly effective program to promote the career development of medical students to become MD researchers who will play leading roles in advancing basic and clinical medical sciences.

Training of Students in Natural Sciences and Mathematics Support Program

To support students who are highly interested in the fields of natural sciences and mathematics to further develop their interests and abilities, undertakings including all the elements of "Systematic Educational Special Program throughout the Year", "Selection of Participating Students" and "Enhancement of Collaboration/Connection on Graduate and other Levels" will be supported.

Year	Department	Program	Contents
FY2012 - FY2015	School of Engineering	Step-QI school	Setting up the 3 courses of "Infrastructure", "Development" and "Evolution", establishing a system to go through the courses in stages and conduct special education, precedent studies and voluntary training fitting the students individual ability level and their degree of program participation.

Initiatives for Distinctive Education

This is an extra-curricular course for undergraduate and graduate students aimed at enhancing practical English communication skills.

Year	Department	Program	Contents
FY2005 -	Institute for Excellence in Higher Education	Practical English Course	This course, taught by native instructors, will help students further develop English communicative abilities required in academic and social situations through activities including discussions and oral presentations.

(FY = Fiscal Year/ Financial Year)