



東北大学 TOHOKU UNIVERSITY

Facts and History

Tohoku University was established in 1907 in Sendai, Miyagi prefecture, as the third national university in Japan. Since its founding, Tohoku University has followed the tradition of “Research First”, believed in the ideal of “Open Doors” and embraced the spirit of “Practice-Oriented Research and Education.”

We have a history of innovation, with past inventions by researchers including the directional antenna, perpendicular recording, and high power magnetron. Tohoku University is proud to have been the first university in Japan to accept female students, and is committed to increasing the number of women researchers and scientists.



Aobayama Commons

University Personnel	
Professor	900
Associate Professor	733
Senior Associate Professor	179
Assistant Professor	1,170
Research Associate	174
Total (Academic Staff)	3,156
Administrative, Technical and Medical Staff	3,266

Facilities and Environment	
Faculties / Schools	10
Graduate Schools	16
Professional Graduate Schools	3
Research Institutes	6
Institutes / Organizations	9
Inter-Department Institutes for Education and Research	29

Number of Students	
Undergraduate Students	11,012 (212)
Graduate Students (Master's Program / Profession Degree Program)	4,318 (750)
Graduate Students (Doctoral Program)	2,652 (621)
Attached School	37
Total	18,019(1,583)

*The Number in parentheses indicates the number of international students.

Research Activities

As a comprehensive research university, Tohoku University covers most academic fields including the liberal arts, science, engineering, medicine, and life science.

Tohoku University strives to become one of the world's great research institutions. While we continue to lead in our traditional fields of research in materials science, physics and chemistry; we are constantly looking to strengthen and develop ourselves in new areas of research.

ESI Frequency of Citation Index Ranking by Field (2016)	
General	161
Materials Sciences	28
Physics	43
Chemistry	66
Engineering	161
Pharmacology & Toxicology	198

QS Ranking by field (2016)	
Materials Sciences	22
Engineering - Mineral & Mining	24
Chemistry	34
Physics & Astronomy	35
Engineering - Mechanical	40
Engineering - Chemical	48

Advanced Institute for Materials Research (AIMR)

As an international research center for innovative materials science, AIMR aims to establish new atomic and molecular control methods through deepening principle theories on the atomic and molecular level and through interdisciplinary integration. Based upon this idea, AIMR creates new materials with innovative and practical functions. Accordingly, AIMR contributes to the sustainable development of the Japanese industrial economy, while maintaining a leading-edge in relevant academic fields with creating further progress.

Tohoku Forum for Creativity (TFC)

The Tohoku Forum for Creativity (TFC) is an international visitor research institute which was established in 2013 at Tohoku University to facilitate collaborative research. In order to identify important problems across all of the sciences and humanities, the TFC brings together both junior and senior researchers in a stimulating environment that promotes creative approaches to new and interdisciplinary research areas.

The TFC especially encourages junior researchers, such as graduate students and postdoctoral fellows, to participate in the thematic programs. Through discussions and close contact with distinguished researchers, including Nobel Laureates and Fields Medallists, junior researchers will be stimulated to develop their own original ideas and to eventually become pioneers in new research areas.



Center for Innovative Integrated Electronic System (CIES)

The Center aims to contribute to the enhancement of global competitiveness in the field of next-generation integrated electronics systems, and further, work toward the creation of practical applications and new industries, through the research and development of innovative devices and integrated electronic systems and through constructing a consortium for this field with international collaboration among industries, universities and government.

Tohoku Medical Megabank Organization (ToMMo)

To contribute to the reconstruction of the Tohoku Region through :

- The building of a new type of biobank based on long-term follow-up studies of medical and health information using large-scale cohort studies and genome information collected from the Great East Japan Earthquake disaster area
- The establishment of an advanced medical system and a research center through the development of highly talented individuals
- The alleviation of the shortage of medical practitioners by the effective utilization of medical resources and the implementation of advanced genome medicine

International Research Institute for Disaster Science (IRIDeS)

Having experienced the catastrophic disaster in 2011, Tohoku University has founded the International Research Institute of Disaster Science (IRIDeS). Together with collaborating organizations from many countries and with broad areas of specializations, the IRIDeS conducts world-leading research on natural disaster science and disaster mitigation. Based on the lessons from the 2011 Great East Japan (Tohoku) earthquake and tsunami disaster, IRIDeS aims to become a world centre for the study of the disasters and disaster mitigation, learning from and building upon past lessons in disaster management from Japan and around the world. Throughout, the IRIDeS will contribute to on-going recovery/reconstruction efforts in the affected areas, conducting action-oriented research, and pursuing effective disaster management to build sustainable and resilient societies, the IRIDeS innovates the past paradigm of Japan's and world's disaster management to catastrophic natural disasters, hence to become a foundation stone of disaster mitigation management and sciences.