

## Educational Programs

### Degree Programs

#### [Undergraduate]

- AMC (Advanced Molecular Chemistry Course):  
A four-year undergraduate chemistry course in English
- Privately Financed International Students Entrance Exam  
A four-year undergraduate course taught in Japanese

#### [Graduate]

- IGPAS (International Graduate Program for Advanced Science):  
Master's and Doctoral program in English
- General Graduate Program

### Non-degree Programs

#### [Exchange Programs with Partner Institutions]

- JYPE: Junior Year Program in English (Undergraduate)
- DEEP: Direct Enrollment Education Program (Undergraduate)
- COLABS: Cooperative Laboratory Study Program (Graduate)
- Special Auditing Student (Undergraduate)
- Special Research Student (Graduate)

#### [ Others ]

- Research Student (Graduate)
- Credited Auditor (Graduate)
- Short-term Visiting Trainee (Undergraduate, Graduate)

### International Joint Graduate Programs

- Graduate Program in Spintronics (GP-Spin)
- International Graduate Program in Earth and Environmental Sciences (GP-EES)
- Graduate Program on Physics for the Universe (GP-PU)
- Graduate Program in Data Science (GP-DS)
- Graduate Program in Materials Science (GP-MS)

### Doctoral Program for World-leading Innovative & Smart Education (WISE)

- WISE Program for AI Electronics (AIE)
- WISE Program for Sustainability in the Dynamic Earth (SyDE)

### Double Degree Program

- Double Degree Program with Ecoles Centrales and INSA-Lyon, France

## Financial Aid

### Scholarship/Fellowship

International students may have opportunities to apply for fellowships/scholarships before or after admission. In addition, degree students are eligible to apply for admission and tuition fee waivers.

- Tohoku University President Fellowship
- Tohoku University Global Hagi Scholarship
- MEXT (Japanese Government) Scholarship
- MEXT Honors Scholarship
- Pioneering Research Support Project for PhD Students
- JSPS (Japan Society of Promotion of Science) Research Fellowship
- Private foundation scholarships

## Affiliated Research Institutes

The Graduate School of Science has formal collaborative agreements with several affiliated research institutes. A large number of students participate in research activities in the following affiliated institutes.

### Inside Tohoku University

Advanced Institute for Materials Research (AIMR)

Center for Northeast Asian Studies Tohoku University (CNEAS)

Cyclotron and Radioisotope Center (CYRIC)

Research Center for Electron Photon Science (ELPH)

Institute for Materials Research (IMR)

Institute of Multidisciplinary Research for Advanced Materials (IMRAM)

International Research Institute of Disaster Science (IRIDeS)

Research Center for Neutrino Science (RCNS)

Center for Academic Resources and Archives (Museum of Natural History)

Research and Analytical Center for Giant Molecules

Research Center for Marine Biology, Graduate School of Life Sciences

### Outside Tohoku University

National Institute of Advanced Industrial Science and Technology (AIST)

NTT Basic Research Laboratories (BRL)

Institute for Molecular Science (IMS)

Japan Atomic Energy Agency (JAEA)

Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

Japan Synchrotron Radiation Research Institute (JASRI)

Japan Aerospace Exploration Agency (JAXA)

High Energy Accelerator Research Organization (KEK)

National Institute of Information and Communications Technology (NICT)

National Research Institute for Earth Science and Disaster Prevention (NIED)

National Institute for Environmental Studies (NIES)

National Institute for Materials Science (NIMS)

Institute of Physical and Chemical Research (RIKEN)

## Number of Students

(As of May 1, 2021)

	Undergraduate	Graduate	
		Master's Program/ Profession Degree Program	Doctoral Program
Science	1,374 [ 40 ]	549 [ 60 ]	276 [ 77 ]
Total	10,695 [ 190 ]	4,261 [ 772 ]	2,709 [ 818 ]

[ ] indicates the number of international students included in counts.





# Academic Exchange Agreements

Department Level<sup>\*1</sup>  
Partner Institutions

(As of Dec.2,2021)

Area	Country/Region	Institution	Date of Agreement
Africa	Nigeria	The University of Nigeria, Nsukka, Faculty of Physical Sciences	Feb. 26, 2016
	South Africa	Rhodes University, Faculty of Science	Sep. 9, 2013
	South Africa	University of the Witwatersrand, Johannesburg	Apr. 19, 2017
Asia	Korea	Korea Polar Research Institute	Dec.11, 2017
	Taiwan	Academia Sinica, Institute of Earth Science	Dec. 4, 2008
	Taiwan	National Taipei University of Technology, College of Engineering	May 2, 2015
Europe	Belgium	Université Catholique de Louvain, Faculty of Sciences	Aug. 29, 2007
	France	Ecole Nationale Supérieure de Chimie de Rennes ENSCR	Jan. 4, 2016
	France	Université Claude Bernard Lyon, Faculté des Sciences et Technologies	Sep. 9, 2011
	Germany	Mainz University, Faculty of Physics, Mathematics and Computer Science	May 3, 2012
	Germany	University of Bayreuth	Feb. 5, 2016
	Germany	Wuppertal University, Faculty of Mathematics and Natural Sciences	Jan. 23, 2012
	Italy	Centro di Ricerca Matematica Ennio De Giorgi, Scuola Normale Superiore	Jun. 25, 2013
	Italy	University of Ferrara	Jun. 27, 2012
	Italy	Sapienza University of Roma	Mar. 24, 2017
	Netherlands	University of Amsterdam, Faculty of Science	Jul. 11, 2013
	Russia	V.S. Sobolev Institute of Geology and Mineralogy, Siberian Branch of the Russian Academy of Sciences	Nov. 7, 2008
	United States	Carnegie Institution of Washington, Geophysical Laboratory	Dec. 1, 2008
North America	United States	University of Illinois at Chicago	May 1, 2000
	New Zealand	Institute of Geological and Nuclear Sciences Limited (GNS Science)	Mar. 19, 2008

(\*2) →

(\*3) →

(\*4) →

(\*5) →

\*1: University Level & other faculties' partner institutions >>> Ref: <https://web.tohoku.ac.jp/ged/partners?lang=en>

\*2: France/ Université Clermont Auvergne/Sep. 14, 2020 \*3: Netherlands/Utrecht University/Jun. 25, 2021

\*4: Spain/ Universitat de València / Jul. 21, 2021 \*5: New Zealand/ Massey University /Mar. 10, 2020

# Sendai City

Sendai with a population of more than one million is a political and economic center of the Tohoku (northeast) Region in Japan. It is a large city, and it is known throughout Japan as a modern city in harmony with nature. The city possesses beautiful scenery, such as the Hirose River, which runs the center of the city, and lush Zelkova trees throughout the city. Greenery is especially abundant in the center of the city, which has tree-lined streets and parks. As a result, Sendai is called the "City of Trees." In summer, Sendai's Tanabata Festival, in which decorations are displayed on long upright bamboo poles throughout the downtown and surrounding areas. In December, the trees are decorated with thousands of lights for the Pageant of Starlight.

## ACCESS

Location: North-East of Japan  
Distance from Tokyo: 350 km



## By Air (duration)

Beijing	5 hr 50 min
Shanghai	2 hr 50 min
Taipei	3 hr 10 min
Seoul	2 hr 10 min
Guam	4 hr 15 min

Sapporo	1 hr 10 min
Narita	1 hr
Komatsu	1 hr
Osaka	1 hr 15 min
Nagoya	1 hr 10 min
Fukuoka	1 hr 45 min
Okinawa	2 hr 35 min

## By Shinkansen

Tokyo	1 hr 40 min
-------	-------------

General Affairs Section, Graduate School of Science  
Tohoku University

Phone: +81- (0)22-795-6346 Facsimile: +81-(0)22-795-6363

Email: [sci-syom@grp.tohoku.ac.jp](mailto:sci-syom@grp.tohoku.ac.jp)

