Akita University Outline

2023 Edition

GENERAL INFORMATION BULLETIN

2023

AKITA UNIVERSITY

AKITA UNIVERSITY 2023

GENERAL INFORMATION BULLETIN

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Message from the President

The principles of Akita University can be summarized in the following vision: 1) Developing far-sighted leaders for the world and the region; 2) Building for the future with our sights set on both the local community and the wider world; 3) Constructing a rich and plentiful society in co-existence with the local area; 4) Aiming for a world with its roots in the community. The foundation of this vision is our leading-edge research which contributes on both a local and a global level and the development of talent to carry out this research. To fulfill our mission, as expected by society, Akita University has established a system of innovative education and research based on four faculties with a global perspective. This is the History and Proud Tradition that we have cultivated here.

Faculty of Education and Human Studies

Akita enjoys a reputation for taking in the brightest elementary and high school students in Japan. It has a strong track record of training staff who will become the pillars of the educational system. We operate teacher training that is focused on traditional formats for the school curriculum, in addition to our detailed educational programs. We aim to nurture and develop students who will be "able successors", with responsibility for future generations as they take their place in the world. These students act as the link from generation to generation. In the Department of Regional Studies and Humanities, we aim to offer support to all students in the face of an increasingly uncertain outlook, furnishing them with an education to prepare them for any challenge, nurturing flexible thinking and developing their ability to find solutions to local issues from a global perspective.

Faculty of International Resource Sciences

Here in Akita, we are proud to have such an abundance of natural resources which connects us with the world at large. This is the thinking behind the name of the department, the Faculty of International Resource Sciences. Originally called the Mining College, the Faculty has developed as a faculty of mining and engineering and resource science and has become globally renowned for its research achievements. We are the only university in Japan with such a comprehensive education and research framework for resources sciences. We also operate branch schools and research laboratories overseas. When students reach 3rd grade, they are divided into small groups of four to five people and have the opportunity to participate in field work related to overseas resources. They get the chance to visit places that their high school contemporaries at other universities have never traveled to themselves and experience resource sciences on the ground. Through their participation in the front-line of Japan's academic achievements worldwide, our students appreciate for themselves how learning and scholarship are "alive" and constantly evolving.

Faculty of Engineering Sciences

The Faculty of Engineering Sciences was established as a faculty of resources and then developed from the Faculty of Engineering and Resource Science to incorporate additional elements of science learning. Akita is the University's laboratory, continuously producing research results of which we are justifiably proud. An example of this is our research on composite material molding made from metal nanocoils. The research objective is finding ways to reduce the weight and cost of composite materials. We expect that in the future, this technology will be applied to aircraft fuselages. The eyes of the world are upon us in this research undertaking. Furthermore, we are building a framework to help take the education of science and engineering and associated areas to a new level, focusing on technology that is central to the fourth industrial revolution, such as IoT, AI, and robots.

Faculty of Medicine

In the Faculty of Medicine, we can cite the results of educational research that is shared worldwide and contributes to medical care in our community. In particular, as a leading institute in Akita, we are proud to have played a major role in controlling the spread of COVID-19, while supporting local health care as a major provider of medical treatment. Akita University's annual pass rate in the National Medical Practitioners Qualifying Examinations is the highest in the country. This bears testament to the depth and comprehensive nature of our educational offering. In the School of Health Sciences, we maintain our commitment to providing support for those who need it and to sustaining high pass rates in all national examinations for general nurses, specialist public health nurses, midwives, as well as physical therapists and occupational therapists.

In addition, we remain focused on activities that contribute to the community. The Center for Regional Revitalization in Research and Education was established for the purpose of consolidating our contribution to local revitalization. It consists of two divisions, Community Cooperation and Regional Industrial Research. Three branches of the Community Cooperation Division are now established in the prefecture. They bring together local residents, university students and faculty staff to reaffirm the merits and virtues of the region. We run initiatives to expand our pride in our hometowns. These include activities aimed at helping and encouraging aspiring teachers, such as the "Mini Education Practice," which is an initial step on students' road to the realization of their dreams and ambitions. The Regional Industrial Research Division is responsible for the development of research projects in association with key policy initiatives in Akita. We believe that by aiding the development of regional industry, we can contribute meaningful solutions to local issues. In addition, the Research Center for Regional Disaster Prevention and Mitigation conducts cross-disciplinary surveys and research on disaster prevention measures that are tailored to Akita's own circumstances in response to the increasing number of natural disasters and complex emergency situations in recent years. Dissemination of the results of this research and raising awareness of the issues concerned drives the improvement

of regional disaster prevention capabilities overall. In addition, the whole University is committed to research and nurturing human resources for the development of a green society. The Akita University Joint Research Center for Electric Architecture was established in collaboration with Akita Prefecture and Akita Prefectural University to work on the electrification of aircraft based on next-generation motors and to promote R&D and the cultivation of human resources. The project was selected by the Cabinet Office for a grant under its local university and regional industry development program. We are also working on other renewable energy topics, such as offshore wind power generation and the utilization of surplus electricity, which are focus areas for the prefectural government.

To promote a more effective and vigorous partnership with medicine, science and technology, we have relaunched the Medical, Science and Engineering Collaboration initiative, "Yume wo kataru kai" (Dreaming Out Loud). We are focusing on ways to create and promote local industries, for example through developing equipment and drugs for medical treatment and nursing care, as well as innovation in health foods. Akita is one of the most advanced prefectures in Japan in its response to the declining birthrate and aging population. The prevention and treatment of complications caused by these phenomena demand urgent attention. We believe Akita University can make a significant contribution to mitigating this situation. With the help of the prefectural government, we have established the "Advanced Research Center for Geriatric Medicine" as a research base specializing in medical care for the elderly. In addition to pursuing cutting-edge research on geriatric medical care and promoting interdisciplinary research based on our knowledge of regional sociology, we are also conducting research on the effects of the pandemic on mental and physical health. Amid growing concerns on this matter, in April last year, we established the Suicide Prevention Research Center with support from Akita Prefecture to engage in a broad range of research across the University on suicide prevention in cooperation with industry, academia, and government. We also established the Akita University Research Center for Infection Control, Epidemiology and Molecular Pathology in March 2023 as a "command post" to strengthen the infection control network across the prefecture. The Center shares and disseminates information on infection control, analysis of molecular epidemiology, prevention strategies and initiatives with relevant institutions across the prefecture and supports the development of medical personnel to deal with acute infectious diseases. We aim to promote clinical and basic research that will help to prevent the occurrence of infectious diseases. We are committed to developing new control strategies and new therapeutic agents through integrating epidemiological research (including infectious disease epidemiology and its social impact), genome analysis of pathogens (viral, bacterial, etc.) using next-generation sequencers and pathophysiological analysis related to host cells and intracellular signal transduction. We aim to foster medical professionals and researchers to enhance our response to infectious diseases.

In this way, Akita University strives to fulfill its role as the "center of all Akita." Although many of our activities last year were curtailed by the pandemic, we intend to gradually resume our social contribution.

We offer a smooth and seamless progression from undergraduate to post-graduate education. Each research center has a clearly defined mission and objectives. These are the cornerstone of Akita University's mission of "repaying society through the contribution of outstanding alumni and the delivery of excellent research." In Nikkei HR's "University Employability Rankings 2018", Akita University achieved the honor of being ranked first by Japanese companies for "universities we would most like to recruit from". Our graduates' "dynamism" and "interpersonal skills" were held in particular high regard. In addition, in the Nikkei Global National Survey on University Contribution to Local Communities published in October 2021, we were ranked 4th overall in Japan, and in the "THE Japan University Rankings 2023," we were ranked 61st out of approximately 800 national, public and private universities nationwide. It goes without saying that these achievements reflect the efforts of the students themselves, but I also think this vindicates the view that Akita provides students with an environment that brings such qualities to the fore.

In recent years, as the demands of Society 5.0 on young people have increased, in terms of the utilization of big data, the spread of IoT and the development of artificial intelligence, the need to produce students who have adapted to this new society has become ever more pressing. Using the 70th anniversary of the founding of the university in 2019 as a springboard, we have started the reform of our undergraduate departments with an eye on the future over the next 10 years. A key initiative is our decision to establish a new faculty, as well as to reorganize our existing faculties, with a focus on fostering human resources who can contribute to the new society. The aim of this new faculty is to produce human resources who are equipped with the capabilities to provide solutions to global issues based on leveraging the results of analysis of big data across all fields.

The COVID-19 pandemic that raged around the world has finally subsided and socioeconomic activity is returning to pre-COVID levels. However, the outlook for the future remains uncertain, not least because of soaring resource and food prices caused by complex international geopolitical factors, including Russia's invasion of Ukraine, and the ongoing depreciation of the yen. Here at Akita University, as we look towards an uncertain future, we recognize that our priority should be to educate students who are fully confident in their own abilities so that they can embrace the challenges ahead as they set out into the world. Based on our slogan, "Students come first" our faculty members and staff are dedicated to their task of stimulating the intellectual curiosity of our students and providing them with a comprehensive educational environment for all their learning needs. The crisis in Ukraine is deeply concerning. We are monitoring it closely and have been considering what sort of a contribution Akita University can make in this respect. We have resolved to do whatever we can to offer places for education and research for Ukrainian students, pupils and researchers, applying our slogan of "Students First" to overseas students. As of April 2023, we have nine Ukrainian students studying at Akita University in line with our commitment to the development of human resources.

Earlier, I outlined the characteristics of each faculty and the reforms we are putting in place based on the traditions of Akita University. At this time of crisis, we are moving quickly to consider how the world and society will look after COVID and after the resolution of the Ukraine crisis and we are adapting as effectively as possible to this new world outlook.

In conclusion, with Akita University as the "alma mater," it is our heartfelt ambition to continue to send forth outstanding students into society, and thereby contribute to the growth and greater good of Akita Prefecture.

Akita University President

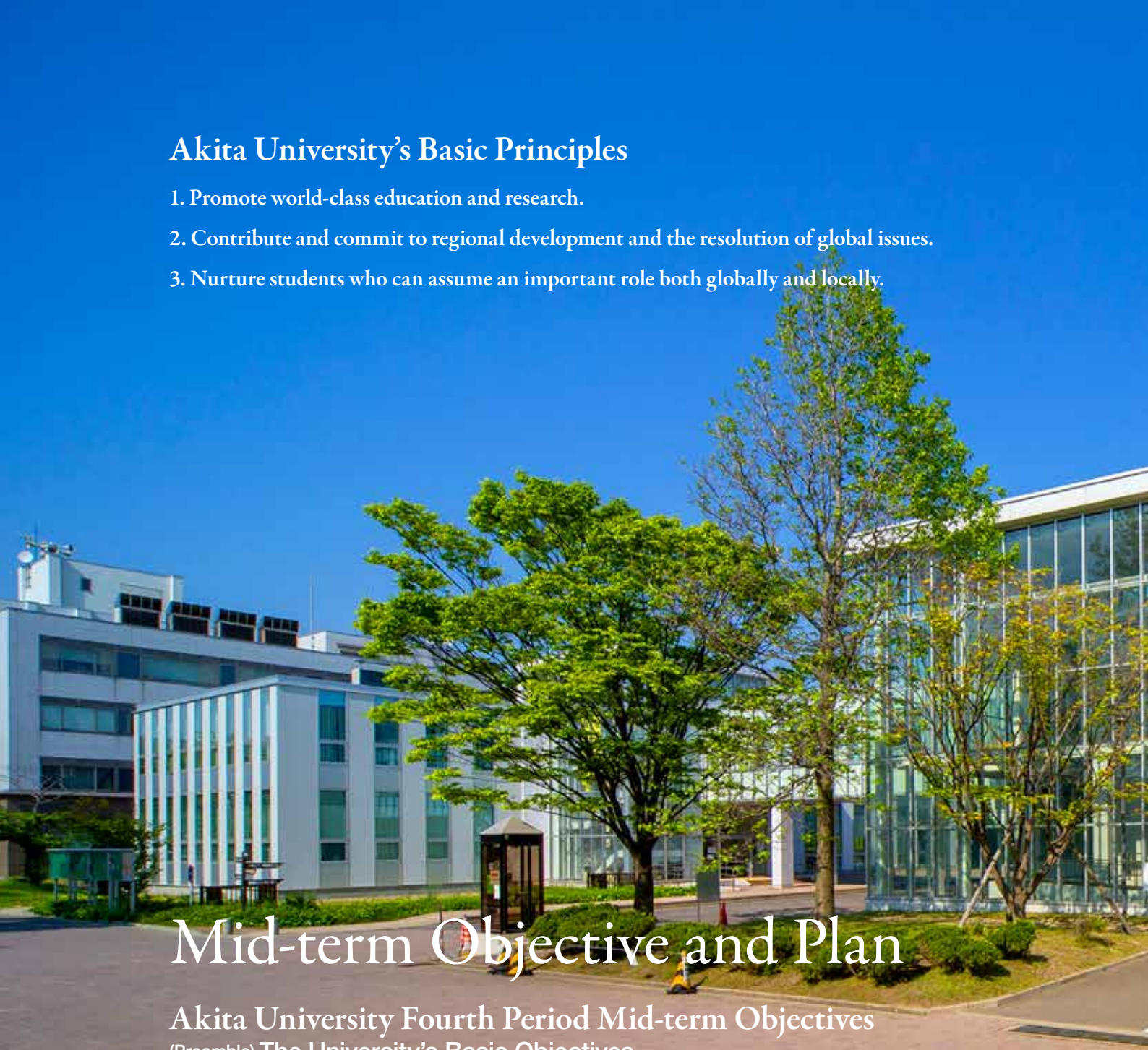
Dr. Fumio Yamamoto, M.D.

Akita University's Basic Principles

1. Promote world-class education and research.

2. Contribute and commit to regional development and the resolution of global issues.

3. Nurture students who can assume an important role both globally and locally.



Mid-term Objective and Plan

Akita University Fourth Period Mid-term Objectives

(Preamble) The University's Basic Objectives

Akita University's foundational principle is to develop with the region through the growth of knowledge, on a shared path with the community, as a core university of the resource-rich northern Tohoku region. This is the mission we look to fulfill through our research and education.
We are pursuing the development of a flexible research and education organization, collaborating with regional and international institutions to cultivate outstanding talent, taking in ambitious young students, Japanese and foreign alike, and presenting their innovative achievements to the world.
Meanwhile, to address various issues from a regional to global scale during the fourth mid-term objectives period, national universities need to contribute to globalization and DX (digital transformation, transformation through the use of digital technology) and to changes in the industrial and social structure based thereon. To that end, all faculties, graduate schools, education and research centers and institutes which constitute the university will introduce elements of ICT (Information and Communication Technology) to their specialized fields based on their individual missions, and through integration with studies and organizations, will foster specialized professionals who can contribute to the sustainable development of regional society as well as highly specialized professionals and academic researchers who will be active in the international community.
Based on these core principles, Akita University's goal is to be a student-centric university, with a dynamic campus-wide fellowship of knowledge amongst students, faculty and staff members.
Based on the aforementioned principles and guidelines, the basic objectives of the university's activities are set out below.

1. In terms of education, to raise our quality to world-class levels and to nurture talent that possess the required knowledge to promote DX and can tackle and resolve regional and world issues.

2. In terms of research, to advance ICT to take on the challenges of resolving social problems from a regional to global scale, generate innovations that advance DX, and continuously transmit these results to the region and to the world.

3. In terms of our collaboration with society, to give something back to the local community through the results of our research and education, to cooperate

with the community in the pursuit and undertaking of measures to promote the region, to work towards upgrading medical systems that utilize ICT, so as to contribute to eliminating disparities in regional medical care.

4. In terms of globalization, while promoting academic exchanges with overseas students and researchers, mainly from resource-producing countries, encourage international study and overseas placement of students, faculty and staff members in order to implement smart mining using information engineering (resource information science "of the future" that actively incorporates information engineering).

5. In terms of university management, to aim for sound, transparent, and effective university management under the President's guidance, instilling the culture of our organization with the mutually enhanced vitality of each one of our students, faculty and staff members, while preparing an environment where they can be successful as members creating Society 5.0.

Mid-term Objective

I. Improve the quality of educational research
II. Enhance and improve efficiency of business operations
III. Improve financial performance
IV. Voluntarily review and assess education, research, organizational structure, and the administration and provision of information thereof
V. Other business operations

A mid-term plan has been established, outlining the measures necessary for achieving the goals regarding our mid-term objectives.

The university's entire "Mid-term Objective and Midterm Plan" can be viewed online (in Japanese) at the following site:
https://www.akita-u.ac.jp/honbu/info/in_target.html

Education and Research

Distinguished Education and Research

◯Research into development and practical application of compact, lightweight electric motorization systems
◯Ministry of Education, Culture, Sports, Science and Technology (MEXT) Project for the establishment of university fellowships for the creation of innovation in science and technology
◯Inter-University Exchange Project - Supporting the development of inter-university exchanges with African countries -
◯Core to Core Program
◯Research into development and practical application of compact, lightweight electric motorization systems

Regional revitalization/Industry-academia collaboration

International Exchange

Distinguished Education and Research

Research into development and practical application of compact, lightweight electric motorization systems

(Project duration: 2020 to 2023)

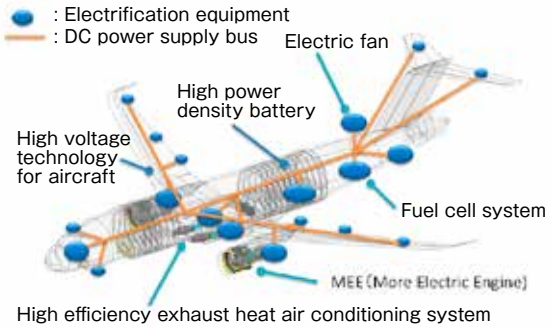
Today's aircraft are typically controlled by a combination of electricity, air pressure and oil pressure. These mechanisms are complex and require continuous maintenance. It therefore makes sense to look for ways to utilize electrification throughout the engineering process as a whole. Electrification of the propulsion mechanism is one approach to reducing carbon dioxide emissions. This is a key focus for Akita University. We are actively engaged in promoting research activities through the Akita Research Initiative, involving volunteer researchers from both Akita University and Akita Prefectural University. As well as this, both universities are collaborating with local industries in the "Industrial creation initiative based on R&D for compact and lightweight electrification systems" which can be applied to automated vehicles in general, including aircraft. The project was selected for a Grant for Regional Universities and Regional Industry Revitalization for 2019 by the Cabinet Office. In April 2021, the University established the Joint Research Center for Electric Architecture, operated jointly with Akita Prefectural University. The center will play a leading role in promoting research and development and contributing to the development of local human resources and industry.

In April 2022, we opened a major research facility, the Evaluation Laboratory for Next Generation Motors. This laboratory is used for performance evaluation testing, endurance testing (environmental resistance tests) for motorized equipment and systems testing using the grid (power lines). It is available for use both by local companies and for companies from further afield.

In March 2023, in collaboration with Akita Prefectural University, IHI Corporation, and local companies in Akita, we successfully developed a prototype 250kW aircraft propulsion system high output electric motor (Halbach motor).

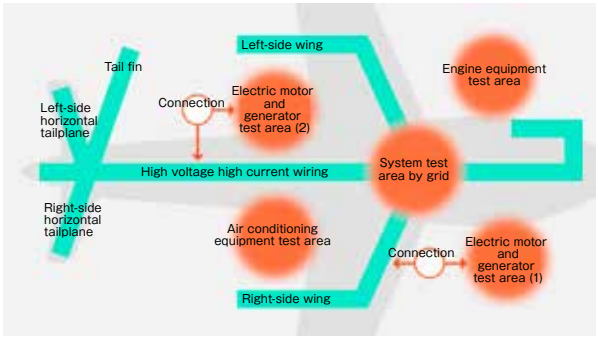
One of the largest motor characteristics testing facilities in Japan
*Establishment of Evaluation Laboratory for Next Generation Motors

(Example of electrification system for 2030)



Source: IHI Corporation website

(Full-size aircraft frame test facility)



Source: Evaluation Laboratory for Next Generation Motors website
https://www.akita-u.ac.jp/dendouka/motorlab/ja/about/

A panoramic view of the system test equipment (known as copper pheasant) using the grid
*Establishment of Evaluation Laboratory for Next Generation Motors

You can find more information on the following websites and the dedicated YouTube channel.

Joint Research Center for Electric Architecture — Japanese version — English version

YouTube channel

Evaluation Laboratory for Next Generation Motors — Japanese version — English version

Distinguished Education and Research

Ministry of Education, Culture, Sports, Science and Technology (MEXT) Project for the establishment of university fellowships for the creation of innovation in science and technology "Cultivation of Advanced Resource Sciences-related Doctoral Students with the Integration of the Humanities and Sciences to Contribute to Achieving SDGs"

(Project duration: 2020 to 2027)

The Akita University Fellowship is a program to support doctoral students who will develop the science, technology, and innovations of the future, as we look to nurture high quality human resources who contribute to the achievement of the SDGs and carbon neutrality.
This program has been adopted by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) for the establishment of university fellowships for the creation of innovation in science and technology.

1. Initiatives to improve research capabilities
   - i) Help doctoral students to share opinions and gain mutual understanding through opening an "information exchange lounge" and creating a database of research activities.
   - ii) Organize regular research presentations to improve research capabilities.
   - iii) Set up research internships based on research collaboration with companies.
2. Initiatives to help career progression after completion of doctoral degree
   - i) Matching doctoral students' research activities to company requirements via a database
3. Financial support for students
   - i) Value of assistance provided:
     Dedicated research subsidy (equivalent to living expenses) 150,000 yen per month
     Research costs 300,000 yen per year
   - ii) Number of doctoral students eligible for support: 8 per academic year
4. Implementation

For more information, please see the following websites

Japanese version

English version

Inter-University Exchange Project - Supporting the development of inter-university exchanges with African countries - "An innovative program for development of core human resources for smart mining to lead sustainable resource development in Southern Africa"

(Project duration: 2020 to 2024)

Akita University's project, "Development of core human resources for smart mining to lead sustainable resource development in Southern Africa" has been selected for the MEXT (Ministry of Education, Culture, Sports, Science and Technology) Inter-University Exchange Project. This collaborative project involves Kyushu University (affiliated university) and Hokkaido University (partner university), aiming to train global experts in resource development science (Smart Mining) through Information Engineering with a focus on the core technology of Society 5.0 (such as AI, IoT, and Big Data).
Specifically, students acquire practical knowledge and skills related to smart mining from the undergraduate to master's level through a curriculum that includes "Virtual Traveling Classes", "Basics of Mining Informatics", "Collaborative Training of DigMine" and "Collaborative Research Project."
The curriculum includes exchange programs between Southern Africa and Japan, which provide opportunities for mining site visits. As anticipated restrictions for face-to-face activities due to COVID-19, this project contains online programs actively.

Domestic affiliated and partner institutions:
Akita University (representative), Kyushu University (affiliated university), Hokkaido University (partner university)
Overseas affiliated institutions:
University of the Witwatersrand (South Africa)
The University of Zambia (Zambia)
Instituto Superior Politécnico de Tete (ISPT) (Mozambique)
Botswana International University of Science and Technology (BIUST)(Botswana)
University of Botswana (Botswana)

For more information, please see the following websites

Japanese version

English version

Core to Core Program
“Establishment of Research and Education Hub to Develop Young Researchers on Mining Informatics for Sustainable Resource Development in Middle Asian Countries”

(Project duration: 2021 to 2023)

JSPS adopted the University’s project, “Establishment of Research and Education Hub to Develop Young Researchers on Mining Informatics for Sustainable Resource Development in Middle Asian Countries” as a Core to Core Program (B. Asia-Africa Science Platforms).
The purpose of this project is to cultivate young resource information researchers through building educational and research foundations and deepening mutual exchanges with representative universities in five Central Asian countries that, regardless of whether or not they have been positioned as a frontier area in new resource development, have high underground resource reserve potential (especially mineral resources), and yet experience a shortage of personnel with advanced technological and planning capabilities for resource development.
Specifically, Japan and overseas hubs will conduct joint research, hold seminars and symposiums, researcher exchanges and other activities.

Japan-based institution: Akita University
Partner institutions in Japan: Hokkaido University, Kyushu University, and University of Tsukuba
Overseas institutions and partner organizations:
Mongolian University of Science and Technology (Mongolia)
Nazarbayev University (Kazakhstan)
Navoi State Mining Institute, Uzbek-Japan Innovation Center of Youth (UJICY) (Republic of Uzbekistan)
National Academy of Sciences of Tajikistan (including Mining-metallurgical Institute of Tajikistan) (Republic of Tajikistan)
- Kyrgyz State University of Geology, Mining and Natural Resources Development, named after Academician U. Asanaliev (Kyrgyz Republic)

For more information, please see the following websites

Japanese version

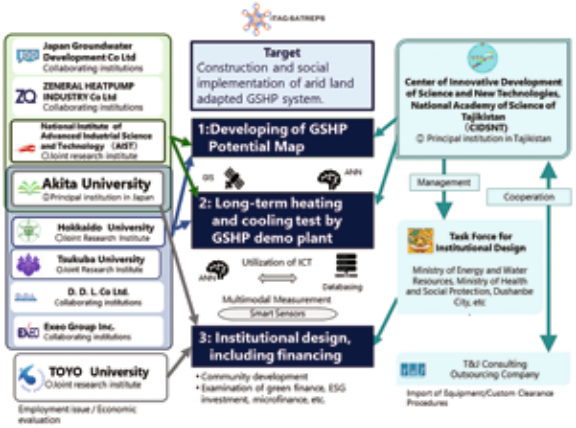
JICA/JST Science and Technology Research Partnership for Sustainable Development
“Construction of a Decarbonized Heat Energy Supply System using Groundwater Resources”

(Project duration: 2021 to 2026; 2021 was a preparation year)

This research aims to contribute to regional stability and countermeasures for global warming through improving energy conditions and creating jobs by building and popularizing the “Advanced Arid Region Geothermal Heat Pump System (Tajikistan Model)” integrating ICT technology, including AI, in Tajikistan, a country that suffers from temperature extremes and does not have significant oil and natural gas resources. Specifically, the project focuses on the following three research topics:

(1) Development of groundwater flow and heat transport model based on field surveys, GIS data and AI for maps of potential use of geothermal and groundwater heat energy.
(2) Implementation of long-term heating and cooling tests using a demonstration plant based on multi-modal measurement and AI.
(3) Planning a system for dissemination of the “Tajikistan model.”

The plan is to develop an optimal geothermal heating and cooling system based on (1) and (2) using AI, which will be reflected in the system planning for (3). In addition, the project involves working with stakeholders to develop and introduce a system for the industrialization of geothermal systems and the creation of jobs as a result, including the provision of financing.



For more information, please see the following websites

Japanese version

English version

Regional revitalization/Industry-academia collaboration

In 2004 Akita University became an Incorporated National University. It embraced this opportunity to reaffirm that education, research, and social contributions were the focal points of university management policy. We have been promoting the "open university project" as the hub of public intellect. The root of the university's social contributions is the belief that one's education not only takes place as a student, but that it is a lifelong process. Therefore the university should make proactive efforts to provide educational resources to the whole community. This concept acts as the basis for the expansion of various educational activities. Furthermore, we offer programs for high school students and their parents and guardians, as well as for elementary and junior high school students.
We launched the Center for Regional Revitalization in Research and Education in April 2016, making our university a base for regional learning and regeneration. The Center contributes to the promotion and revitalization of local businesses and to the development of talent which serves the community and research to support the growth of local industry.
In April 2022, the Research Center for Potential Development of Disaster Prevention of the Graduate School of Engineering Science and the Regional Disaster Prevention Department of the Center for Regional Revitalization in Research and Education were integrated and reorganized to study countermeasures, including responses to both natural and complex disasters, which have become more frequent in recent years. We established the Research Center for Regional Disaster Prevention and Mitigation as a university-wide organization with medical fields added to its existing specialty areas, and launched activities related to surveys, research, analysis, and support for regional disaster prevention and mitigation initiatives.

Regional Cooperation; Social Contribution initiatives

■Open lectures

Every year open lectures are held on a wide variety of topics. These open lectures act as an excellent educational resource for anyone in the community at large who wishes to engage in lifelong learning.

■Classes on the prevention of sports-related injuries and disabilities for young athletes

These classes use methods such as ultrasonic medical checkups to raise awareness of issues that can give rise to injuries and disabilities when playing sports, and to show how important it is for us to look after our bodies.
The class is aimed at anyone who is involved in sports in the prefecture, such as scout groups or parents and guardians. Using methods such as ultrasound scans, checks are made on players' bones and muscles, the flexibility of their arms, legs and core, and their technique. Based on this, advice and guidance is given on stretching exercises and on throwing and pitching style and technique.

■"Medical Science Café"

As part of our university-wide social contribution initiatives, we make the University's knowledge and learning available to local residents in an easy to understand format by inviting lecturers from our different departments to come to give informal lectures that are a product of interdepartmental collaboration. For example, the Head of the Graduate School of Medicine has become a "Science Cafe Master", giving talks on medicine and health-related topics from a variety of perspectives.

■Elementary and Junior High School Student Tours

We offer university tours as an opportunity for people to get to know and develop their interest in Akita University.

Regional disaster prevention

1. Surveys and research on regional disaster prevention

The Center has three divisions: the Disaster Mechanism Division, the Disaster Resilience Division, and the Human Support Division. These divisions conduct surveys, research and analysis, and support activities related to regional disaster prevention and mitigation.

2. Education to implement disaster prevention initiatives in the community

Disaster prevention education is provided for local government, neighborhood associations and educational institutions so that local residents can conduct disaster mitigation activities on their own in the event of an earthquake or other emergency.

3. Guidance and advice on disaster prevention measures to prefectures and municipalities

We offer guidance and advice on disaster prevention and mitigation for municipalities in Akita Prefecture, taking local characteristics into account, to facilitate earthquake damage forecasting and disaster prevention measures in Akita Prefecture.

Regional Business Research

■ Resource Development, Recycling and Environment Research Project

We are developing an integrated research and educational program to promote international collaboration towards the sustainable utilization of natural resources such as petroleum, gas, minerals, and secondary resources.
Through this program, we intend to provide students with comprehensive knowledge of the sustainable utilization of resources, purification and recycling of waste materials and protection of the environment.

■ New materials; functional materials research and development projects

We undertake research related to discovering new and advanced materials, based on the results of our core research at Akita University. Realizing our capability as one of the leading research institutes in this area, we aim to develop new businesses and new jobs through collaborative works with universities, companies, and public institutions in Akita.

■ Research and development of compact and lightweight electrification systems for mobilties

To promote research on electrification of mobility (aircraft, automobiles, and other transportation equipment), a key technology for achieving carbon neutrality by 2050, we are collaborating with a project funded by the Cabinet Office's "2019 Grant for Regional Universities and Regional Industry Revitalization" to contribute to the promotion regional industrial development with the'Creating Industry through Research and Development of Compact and Lightweight Electrification Systems'project.

■ New energy research and development project

Akita Prefecture has abundant natural energy resources. The coastal areas of Akita Prefecture are particularly suitable for wind power generation, and large-scale offshore wind farms are being installed here. This project will develop technologies that can contribute to the development of the local area through effective utilization of the abundant resources of renewable energy generated here.

■ Medical science and engineering collaborative industry research and development project

In the medical and welfare fields related to the aging population, we develop and promote new equipment and devices with companies mainly based in Akita Prefecture.
We are committed to the development of the medical device industry through industry-academia-government partnerships, and have expanded our remit to include the development of equipment for general users to promote healthy living and longevity, as well as medical equipment.

Development of new molding technology for carbon fiber composite materials (CFRP: Carbon Fiber Reinforced Plastics) and manufacturing methods for lightweight components for the transportation equipment industry

(Project Leader: Professor Mikio Muraoka, Graduate School of Engineering Science)

Following approval from the Ministry of Economy, Trade and Industry, we established the Akita New Composite Technology Research Association in April 2017 as a regional development project for the prefecture. We established an R&D facility at the Center for Regional Development and conduct R&D activities based on industry-academia-government collaboration under the leadership of Mikio Muraoka, Director and project leader.

Through joint research with Mitsubishi Heavy Industries, we have developed a low-cost molding technology for carbon fiber composite materials based on magnetic field heating that can be used for aircraft fuselage structures. Against the backdrop of the move to EVs, we are collaborating with Toyota Motor Corporation and Shima Seiki, a world-class knitting machine manufacturer, on the practical application of CFRP construction methods to automobile interior parts using base materials woven with carbon fiber fabric. We are also developing a new method of repairing concrete structures using carbon fiber sheets and thermoplastic resin and are applying this technology to the civil engineering sector for the purpose of repairing public infrastructure.

Success with aircraft-standard CFRTP molding in a small facility

Test concrete repair using the thermal spray method

International Exchange

Global academic network and overseas bases

Akita University has concluded agreements for academic and student exchanges between the university and various educational and research institutions around the world. As of May 2023, our inter-university agreements cover 73 universities in 35 countries and regions, and our inter-faculty agreements over 38 faculties in 22 countries and regions (see P39 Overseas Partner Universities). Based on these agreements, we are actively promoting exchanges with these partner institutions, including exchanges of students, faculty staff and researchers, as well as collaborative research. We will continue to actively expand international exchanges with participating institutions along with the development of new programs.
Furthermore, as of May 2023, we have established eight overseas offices in six countries as bases for global education and research, and are utilizing these as bases for joint research, exchange of researchers and educational activities with our overseas partner universities (for details, see Akita University Overseas Hubs). In future, we will work to further increase the number of our overseas offices and to put in place educational and research exchange programs with our overseas partner universities through our overseas offices.
During the period of our Third Mid-Term Objectives and Plan (FY2016-2021), we steadily increased the number of inter-university agreements and overseas offices, accepting 200 overseas students annually. Based on these achievements, we have set new goals in our international strategy and Fourth Mid-Term Objectives and Plan in order to further promote the internationalization of the University.

International Strategy and Fourth Mid-Term Objectives and Plan

In May 2021, we revised our international strategy. We have formulated four strategies and specific performance objectives: "Fostering of rich international human resources," "Collaboration with overseas universities," "Promotion of joint international research," and "Fostering of faculty talent in response to the internationalization of universities."
In response to this, each faculty and graduate school has developed action plans that define their objectives along with specific action guidelines for each fiscal year and is working toward the achievement of our international strategy.
In addition, in our Fourth Mid-Term Objectives, which apply from April 2022, we set out our goal as follows, "We aim to cultivate internationally-minded individuals with different values through expanding our overseas student exchange activities, attracting outstanding international students, maintaining our ties with them after they graduate and complete their studies, and providing international educational programs in collaboration with overseas universities."
Based on this, the Fourth Mid-Term Plan set out specific performance objectives in different categories, including the ability to transfer academic credits, the provision of double degree programs, expansion of international student places, and strengthening of students' language skills.

〈Performance objectives in the Fourth Mid-Term Plan〉
- Ability to transfer academic credits: 7 new universities
- Implementation of double degree programs: 2 new universities
- Establishment of inter-university agreements: +30% compared to FY2021
- Establishment and utilization of overseas offices: Four new locations
- International students enrolled: 250 students per year
- Strengthen student language skills: Improve English language education programs through use of e-learning materials
- Percentage of students who have studied abroad: 20%
- Percentage of students who have engaged in resource science field work abroad: 100%

We will continue to actively promote the internationalization of our university in accordance with our international strategy and the Mid-term Objectives and Plan through 2026.

〈Akita University Overseas Hubs〉 2023 May 1

Country	Base name	Installation date
Mongolia	Akita University Mongolia Office	8 October 2012
Thailand	Akita University - Chulalongkorn University Joint Research Laboratory	25 April 2013
	Akita University Bangkok office	1 October 2014
Indonesia	Akita University Faculty of International Resource Sciences - Trisakti University Joint Research Laboratory	28 April 2015
	Akita University - Padjadjaran University Joint Research Laboratory	1 April 2019
Botswana	Akita University Botswana Office	28 June 2017
UAE	Akita University - UAE University Joint Research Laboratory	1 April 2019
Uzbekistan	Akita University Satellite Lab in Uzbekistan for Earth Resources Studies	3 April 2023

From a research base for resource development to PR for international students

The International Center for Resource Education and Research (ICREMER) was established with the aim of becoming a center for education and research and developing human resources with an international perspective. ICREMER provides educational support for resource-producing countries, including visiting lectures and technical guidance, and engages in a variety of activities, such as organizing "Short Stay Programs" (training programs) for graduate students in resource-producing countries, arranging international symposia on resource science, developing joint research opportunities with overseas partner universities and inviting co-researchers to the university on a short-term basis.
In particular, the Short Stay Program is expected to play a role in promoting the University overseas, with an increased number of students who have completed the program and returned to their home countries coming back to the University either as regular students or as overseas exchange students.
Akita University is planning to expand the international exchange program, in keeping with our role as a university which is open to students all over the world. To achieve this, the Global Center for Higher Education (GHE) has been established to promote the internationalization of the University and the

development of human resources who play an active role in global society.
GHE supports students who study abroad, provides information on studying abroad, organizes exchange events, establishes inter-university agreements, and promotes the globalization of the University.

President Yamamoto (center) with international students

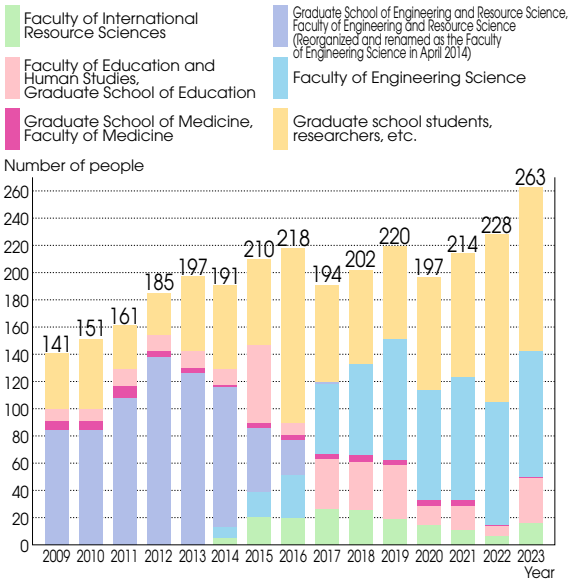
Improving education and living support for foreign exchange students

We are also improving education and living support for international students. We have two dormitories for international students: International Student House and International House. For international students who wish to live in private accommodation, Akita University acts as guarantor and also provides subsidies for "Comprehensive Renters' Insurance for Foreign Students Studying in Japan." In addition, we engage in food projects together with food banks to provide economic support to students. To deepen students' appreciation of Akita culture, we plan, offer, and implement community events such as farm homestays and ski trips. In addition to the above, we have exchange programs between international students and Japanese students and have put in place a "tutoring system" in which current students provide assistance to international students in their daily lives and studies. In addition, we have a Multicultural Lounge to promote exchanges between international and Japanese students, where students and teaching staff can study independently to learn a variety of different languages.

Fostering human resources with an international perspective

Akita University dispatches young educational staff to foreign universities and other institutions to develop human resources with an international perspective through the "Akita University Researcher Overseas Visit Project." Since the establishment of the program in 2008, a total of 33 researchers (two to three per year) have taken part in research at overseas universities.
In addition, the University offers the "Akita University Exchange Program" for students to study abroad at partner universities, and the "Short-Term Overseas Study Program" organized by the Global Center for Higher Education and our different faculties. In order to provide financial support for students studying abroad under these programs, Akita University offers the "Akita University 'Miraisozo Fund': Student Overseas Visit Project"

<Transition in International Student Numbers>



and the "Akita University Student Overseas Short-Term Study Support Program," which provide partial funding for travel expenses related to study abroad.
There are also other study abroad programs providing scholarships as part of the Japan Student Services Organization (JASSO) "Overseas Study Support Program."
With government border control restrictions lifted and overseas travel expected to recover, we are strengthening our framework for the development of human resources with an international perspective.

Akita university student in Canada

Akita University student in Germany (second from left)

For more information on Akita University's international exchange initiatives, please refer to the following website.

Japanese version

English version

Faculty and Graduate School

[Faculty]

Faculty of International Resource Sciences

Faculty of Education and Human Studies

Faculty of Medicine

Faculty of Engineering Science

[Graduate School]

Graduate School of International Resource Sciences

Graduate School of Education

Graduate School of Medicine

Graduate School of Engineering Science

Graduate School of Advanced Healthcare Engineering

Faculty of International Resource Sciences

The Faculty of International Resource Sciences aims to provide solutions for global resource problems through a focus on the fields of science and engineering; from identification of resource generation mechanisms to the exploration, development and production of resources. It incorporates the fields of humanities and social sciences, including the study of policies, cultures, and resource economies of resource-rich nations. As the only faculty for "resource science" in Japan, it offers students the opportunity for a comprehensive study of resources. The Faculty brings together distinguished professors who are worldwide leaders in their fields, giving students a leading edge education with a global perspective. We develop human resources who can play an active role on the international stage based on a system of close collaboration with domestic and foreign universities, companies, and research institutes.

Students can acquire advanced international perspective and expertise through practical education, including lectures in specialized courses given in English at the Faculty and a four week course of overseas practical training (Resource Sciences Fieldwork Abroad) in which all students are required to participate.

Since the establishment of the Faculty in 2014, many graduates have found employment at companies engaged in the international resource business. We look forward to keenly observing our students' development as resource specialists, committed to contributing to the world's sustainable development.

Faculty Organization

Department of International Resource Sciences

This program is aimed toward resolving various issues connected to natural resources on a global scale, with an emphasis on practical abilities and maintaining an international perspective.

● Resource Policy and Management (Social Science and Humanities)

Students develop an understanding of the international situation, policies, and legal systems concerning resources, and study related aspects of political science and economics, business and international cooperation with resource-rich countries, as well as the culture, history, and religion of the regions that form the background of this cooperation.

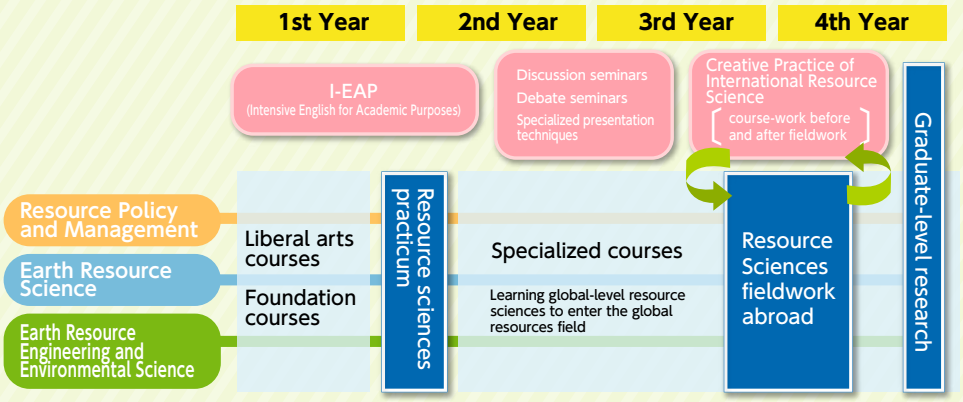
● Earth Resource Science(Science and Technology)

In order to understand the origin and characteristics of the world's resources and to contribute to the exploration and evaluation of these resources, students study the natural phenomena that produce resources, the history of the Earth, the materials that make up the Earth and how these are distributed, as well the exploration of these resources.

● Earth Resource Engineering and Environmental Science (Science and Technology)

Students will study specialty fields related to topics such as resource development, production technology, recycling and smelting technology, and environmental conservation; to be implemented in an environmentally supportive manner to ensure the sustainable and effective use of our limited global resources.

Curriculum



Take specialized courses in English!
Specialized courses are provided in English. Intensive English for Academic Purposes (I-EAP) is a requirement for all students in their first and second years in order to build up a solid foundation in English, including listening, speaking, reading, writing, and presentation.

Participate in interdisciplinary courses integrating humanities, sciences, and technology!
Developing resources overseas requires students to possess knowledge in sciences such as earth science and resource engineering for development, as well as an understanding of the political and economic situations, culture, and institutions of the relevant countries. We offer specialized courses that involve cross-disciplinary curricula, allowing students to gain a comprehensive perspective that combines expertise in humanities and technology, as well as the knowledge and skills necessary to develop resource strategies on a global scale.

Learn while abroad!
In their third year, all students have the opportunity to participate in a four-week Resource Science Fieldwork Abroad program. Through our extensive international network, students can engage in hands-on training in collaboration with universities and corporations outside Japan. This program offers a truly international experience, covering regions such as Europe, North and South America, Southeast and Central Asia, the Middle East, and Africa. Students visit mines, research facilities, and resource business sites, where they gain insights into the relationships between the Earth and its resources, and the interplay between resources and people.

Faculty of Education and Human Studies

The Faculty of Education and Human Studies specializes in a single academic course that consists of the Department of School Education, which trains students to become educators, and the Department of Regional Studies and Humanities, which is the core of various regional collaboration programs. The Department of School Education aims to cultivate future educators with practical classroom skills, while working in close cooperation with local schools and maintaining a high level of enthusiasm for education in order to meet the demands of the country's highest standards. In the Department of Regional Studies and Humanities, students learn a variety of subjects including social sciences and humanities. With the addition of regional collaborations and on-site fieldwork, students can develop the practical skills required to view regional issues from a local and global perspective. We want everyone to strive towards creating a sustainable society as well as contributing to education and to the community in the face of many challenges. Practical learning which stems from learning in the field will help create a better world for the future to make our lives richer and more fulfilling.

Faculty Organization

Department of School Education

We nurture future educators who can contribute to the vitalization of education in the region.

● Course for Compulsory School Teachers

This program trains teachers in advanced practical skills needed to support top-class academics nationwide, with an emphasis on the elementary and junior high school levels. Students will gain a deeper understanding of childhood development and growth, both mental and physical, and gain competencies for teaching in both elementary schools and junior high schools.

● Course for English Language Teachers

In addition to improving students' practical English abilities through cooperation between elementary, junior high and high schools, the program also trains teachers in cross-cultural communication skills, so they acquire not only English language skills but also linguistic knowledge and the basics of English-speaking cultures.

Teaching practice

● Course for Science and Mathematics Teachers

Students in this program expand their knowledge of science, mathematics and arithmetic and learn how to make these subjects interesting for younger students. We train teachers and enable them to learn through practical experience.

● Course for Special Needs Education Teachers

The program trains teachers to be able to support the development and growth of special needs students in an inclusive environment, as part of special-needs education at mainstream elementary and middle schools or at special-needs schools.

● Course for Child Development and Education

The program offers training for teachers and staff at kindergartens, nursery schools and elementary schools, providing a thorough understanding of early childhood development and education at the nursery school, kindergarten, and elementary levels.

Department of Regional Studies and Humanities

Training talented students who can contribute to the revitalization of local communities and culture.

● Program in Regional Studies

Students will study topics related to geography, environmental science, food science, building environmental science, and information science from the perspective of social sciences such as law, political science, economics, business administration, sociology and marketing. We look to give them the ability to explore and understand regional issues using the knowledge and skills they have acquired both at the university and elsewhere.

● Program in International Cultural Studies

Students learn about languages and cultures in Asia (including Japan), Europe and the US, through studying humanities-related topics such as literature, history, philosophy, art and linguistics. We utilize foreign language education programs (English, German, French, Russian, Chinese, Korean) and overseas training to help students understand different aspects of international society and acquire knowledge which can be applied to the revitalization of regional culture.

● Program in Psychological Studies

Students learn the required theory, practice, statistics, and interviewing skills for psychology, from basic to advanced, in a systematic manner. They will also aim to obtain practical abilities and solve regional problems by using their skills and knowledge.

Development of special food products in collaboration with local companies (Core Curriculum, Basic Study - Local)

Classes (Understanding of International Culture)

Sandplay therapy

Faculty of Medicine

The Akita University Faculty of Medicine consists of two departments: the School of Medicine and the School of Health Sciences. The School of Medicine contributes to society by training doctors, and the School of Health Sciences by training nurses, public health nurses, midwives, physical therapists, and occupational therapists. Since it was founded in 1970, it has taught more than 6,500 graduates and has been at the forefront of medical care not only in Akita Prefecture but throughout Japan, and has been active as a leader in various fields of the medical world.

Japan is now entering an era of turbulence. People's lives and health are threatened by earthquakes, torrential rains and coronavirus infections that occur in across the world every year. The decline in the birthrate and aging of the population continue unchecked and the shortage of doctors and nurses in rural areas is becoming more and more severe. It is in times like these that we must all come together to respond to these challenges. Let us all work together to contribute the development of medical care, medicine, healthcare, and welfare in Japan.

Faculty Organization

School of Medicine

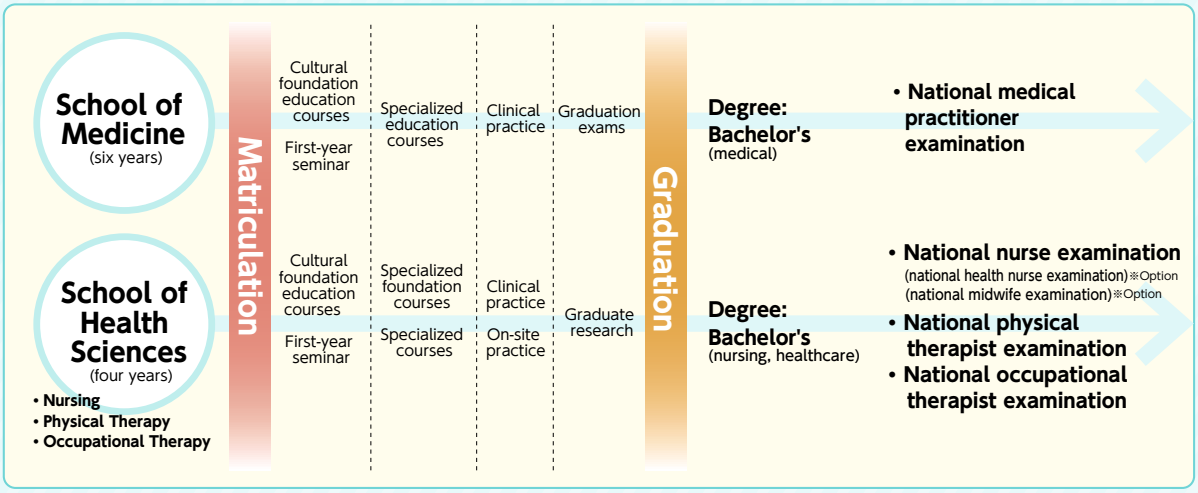
Producing future leaders of the medical field, excelling in specialist knowledge and expertise.

School of Health Sciences

The Health Sciences Department has 3 majors: nursing, physical therapy, and occupational therapy. There are also 3 courses students may choose from: nursing, public health nurses, midwives, physical therapists, and occupational therapists. These courses are offered in order to train specialists in the medical field.

School of Medicine	Students are guided by three lecturers from the Doctoral Course in Medicine Cooperative Division over a course of 40 lectures.	
School of Health Sciences	Major	Organization of Faculty Instructors
	Nursing	●Nursing Course ●Physical Therapy Course ●Occupational Therapy Course
	Physical Therapy	
	Occupational Therapy	

Curriculum for the Faculty of Medicine



Faculty of Engineering Science

The Faculty of Engineering Science consists of four departments and eight courses. Students acquire fundamental knowledge of science and engineering, study specialty fields and explore aspects of science, technology and engineering from an environmentally friendly perspective. Students learn how to apply digital technology to their respective fields of expertise in order to stay across the significant advances in data science technology in recent years. They also acquire the ability to explore issues independently on their own and take a broad and flexible approach to finding solutions to new challenges. In addition, we actively support and encourage students to study abroad and to broaden their global perspectives.

Faculty Organization

Department of Life Science

Based on chemistry and biology, we train students to become researchers and engineers who take on the challenge of solving problems in the life science fields, such as medicine, food, and the environment.

● Life Science Course

Students study synthetic organic chemistry, natural products chemistry, molecular biology, structural biology, biotechnology, cell biology, developmental biology, physiology, bioinformatics, and other specialty fields to shed light on biological phenomena.

Department of Materials Science

This department trains researchers and engineers who will deal with cutting-edge, functional materials and chemical processes.

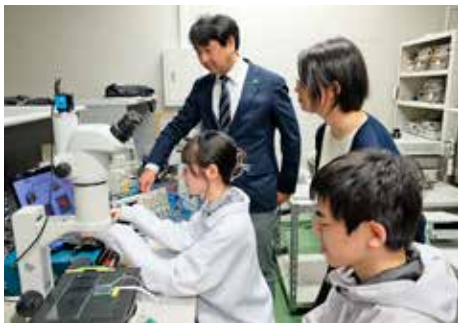
● Applied Chemistry Course

Students study a broad spectrum of specialized chemical fields, such as inorganic materials, organic materials, energy-related chemical engineering, and bioprocessing.

● Materials Science and Engineering Course

Students will study a wide range of fields starting with the fundamental sciences that focus on solid-state physics, solid-state chemistry, metallic materials, and ceramic materials.

Applied Chemistry Course



Civil and Environmental Engineering Course

Department of Mathematical Science and Electrical-Electronic-Computer Engineering

We provide the education that enables students to become leading researchers and engineers in the filed of mathematical science, electrical and electronics, and information and communication.

● Mathematical Science Course

Students learn a wide range of mathematical science, covering mathematics (e.g. algebra, geometry, analysis), theoretical physics (e.g. quantum mechanics), computer science including AI and its applications to environmental science including data science.

● Electrical and Electronic Engineering Course

Students study basic subjects such as electromagnetics and electrical circuits, and they can select subjects from a wide range of specialized fields such as electrical energy, optical and electronic devices, materials, information and communication, measurement and control systems, according to their own interests.

● Human-Centered Computing Course

Students will learn applied computer science and engineering, with a focus on human-computer interaction, health information engineering, image analysis, and information communications and networks.

Department of Systems Design Engineering

We develop practical engineers who can develop and maintain new manufacturing and social systems.

● Mechanical Engineering Course

Mechanical engineering is the basis of manufacturing industries. Our course offers to students the fundamentals of mechanical engineering through modules such as Materials Engineering, Mechanical Engineering & Design, Heat & Flow and Dynamics & Control. We also expose our students to diverse modules of advanced engineering such as Medical Bioengineering, Robotics, Hydraulic machinery and Aircraft energy system.

● Civil and Environmental Engineering Course

Students learn about the technology needed to create and preserve a safe, secure and comfortable local environment with a focus on structural mechanics, construction material science, geotechnical engineering, and environmental hydraulics.

Correspondence Education Program

Akita University Faculty of Engineering is the only national university that offers “public distance learning courses.” Since the first class was held in 1948, over 2,000 graduates have taken the course, upholding the course's educational tradition and history. In order to gain general background knowledge in scientific technology, a general scientific technology course and courses to study the basics and specifics in resources, materials or electrics and electronics are offered.

Graduate School

Graduate School of International Resource Sciences

The Graduate School of International Resource Sciences promotes cutting-edge education and research backed by advanced knowledge and expertise in the fields of Earth Resource Science and Earth Resource Engineering and Environmental Science, with the aim of solving resource problems that have become global issues. Students acquire a wide range of knowledge in earth sciences, resource development, and environmental conservation so that they can operate as global leaders.

Master's Degree Program
Earth Resource Science Earth Resource Engineering and Environmental Science
Doctoral Degree Program
Geosciences, Geotechnology, and Materials Engineering for Resources

Graduate School of Education

The Graduate School of Education covers a range of teaching-related topics through a combination of theory and practice. We aim to train highly capable and enthusiastic elementary and secondary school teachers in the application and development of practical learning, and highly specialized professionals who can contribute to local development through the support they give to teachers and schools. The graduate school has two majors, Teaching Practice (Teaching Practice course) and Psychological Education (Master's course).

Professional Degree Program	
Teaching Practice	School Management course Curriculum and Teaching Development course Educational Development and Special Education course
Master's Courses	
Psychological Education	Clinical Psychology course

Graduate School of Medicine

The Graduate School of Medicine aims to train excellent researchers and highly specialized medical staff who possess an international perspective, and who can promote the most advanced research in medicine, medical, and life sciences, all of which contribute to the development of human health and welfare.

Master's Degree Program		
Medical Science		

Master's Degree Program / Doctorate Degree Program		
Health Sciences	Master's Degree Program	Nursing Science Rehabilitation Science
	Doctoral	Women and Children's Development Support Sciences Lifestyle Function and Health Support
Doctorate Degree Program		
Medicine	Bioregulatory Medicine, Oncoregulatory Medicine Organ Function-Oriented Medicine, Public Health and Environmental Medicine, Cooperative Division	

Graduate School of Engineering Science

The Graduate School of Engineering Science enables students to systematically study specialized fields and gain in-depth knowledge; it actively promotes interdisciplinary collaboration with peripheral fields, and gives students the comprehensive ability to pursue new application methods and create new systems of value. We develop human resources who have acquired a global perspective and have a strong desire to contribute to the local community. We offer Master's and Doctorate courses to develop human resources who pursue groundbreaking innovations through the integration of concepts and methods in various fields.

Master's Degree Program	
Life Science	Life Science course
Materials Science	Applied Chemistry course Materials Science and Engineering course
Mathematical Science and Electrical-Electronic-Computer Engineering	Mathematical Science course Electrical and Electronic Engineering course Human-Centered Computing course
Systems Design Engineering	Mechanical Engineering course Civil and Environmental Engineering course
Cooperative Major in Sustainable Engineering	Electromobility course Social Environment Systems course
Doctor's Degree Program	
Integrated Engineering Science	Field of Life Science Field of Materials Science Field of Mathematical Science and Electrical-Electronic-Computer Engineering Field of Systems Design Engineering

Graduate School of Advanced Healthcare Engineering

The Graduate School of Advanced Health Care Engineering is an educational and research organization that integrates the fields of medicine and engineering science to study the extension of healthy life expectancy and the processes of disease prevention, diagnosis, treatment, and prognosis. We nurture human resources who can play an active role in the super-aging society. In addition to lectures, students have the opportunity to participate in R&D activities for new healthcare and medical equipment while gaining practical experience through training at hospitals and nursing care facilities.

Master's Degree Program	
Graduate School of Advanced Healthcare Engineering	Examination and diagnostics support area Exercise and treatment support area

University Facilities

University Library

University Hospital

Mineral Industry Museum

Affiliated Schools and Facilities for Education and Research

◯Kindergarten ◯Elementary School ◯Junior High School ◯School for Special Needs Education
◯Center for Educational Profession Enhancement
◯Mineral Industry Museum
◯University Hospital ◯University Hospital Medical Simulation Center
◯Center for Care of Aging Populations ◯Center for Innovative and Digitalized Medical Education
◯Telemedicine Development and Research Center ◯Center for Crossover Education
◯Research Center of Advanced Materials for Breakthrough Technology

University Common Use Facilities for Education and Research

◯Center for Information Technology and Management
◯Cooperative Research Center ◯International Center for Research and Education on Mineral and Energy Resources
◯Research Center for Regional Disaster Prevention and Mitigation
◯Advanced Research Center for Geriatric Medicine ◯Joint Research Center for Electric Architecture
◯Suicide Prevention Research Center
◯Center for Integrated Control, Epidemiology and Molecular Pathophysiology of Infectious Diseases
◯Bioscience Education and Research Support Center
◯Radioisotope Research Center ◯Environmental Research Center
◯Center for Regional Revitalization in Research and Education

Center for Education and Research

◯Institutional Research and Evaluation Center ◯Global Center for Higher Education
◯Student Support Center ◯Secondary Education Collaboration Center
◯Educational Profession Career Center

Technological Organization

◯General Technical Section

Welfare Facilities

◯Health Center ◯University Hall (Clair) (Tegata Campus) ◯Hondo Hall (Medikoko) (Hondo Campus)
◯Student Dormitories ◯International House ◯International Student House

Sports Facilities

◯Athletic Track Stadium ◯Baseball field ◯Sports field ◯Handball court ◯Large gymnasium
◯Small gymnasium ◯Martial arts gymnasium ◯Archery field ◯Tennis court ◯Swimming Pool(25m)
◯Exercise ground

Yokote Branch School/Kita Akita Branch School/Oga Namahage Branch School

Information Center

University Library

Central Library (main entrance)

●The two University Libraries (the Central Library on Tegata Campus and the Medical Library on Hondo Campus), provide books, academic journals, audio-visual materials, electronic information, and other study materials for student use, while systematically managing and maintaining the collection.

●Number of books in the collection Central Library: 438,000 books
Medical Library: 112,000 books

〈Opening Hours〉

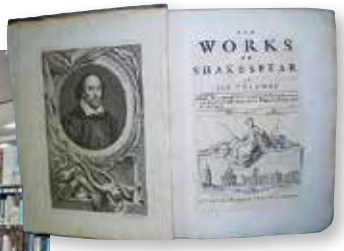
Category	During each semester	During Long-term Breaks
Weekdays	8:30am – 10:00pm	8:30am – 5:00pm
Sat, Sun, Holidays	12:00pm – 6:00pm	Closed

* Opening hours are subject to change.

●In addition to materials that can be viewed or borrowed from the library, various academic resources such as e-books, e-journals, and databases are available from the library website to support the study, education and research activities of students, faculty members and staff.

(Services on the library website)
- Library search ● Reservation and extension of borrowed books and documents
- Ordering documents from outside the university
- Purchase requests
- Online reference

In addition, we have digitized mining-related materials and rare documents and materials owned by the University and made them available to the general public on our website. Research material by University researchers is available to the public through the Akita University Institutional Repository System.



Special collection. The entire works of Shakespeare published in the 18th century is housed here.

Central Library browsing floor

Central Library “Commons”

Medical Library “Commons”

Mining Picture Scroll Digital Gallery (https://archive.keiyou.jp/akitaunivda)

●**For more detailed information**

〈Central Library〉
TEL.018-889-2279 E-mail: libriyo@jimu.akita-u.ac.jp
〈Medical Library〉
TEL.018-884-6052 E-mail: ibun@jimu.akita-u.ac.jp

〈University Library Homepage〉
https://www.lib.akita-u.ac.jp/top/

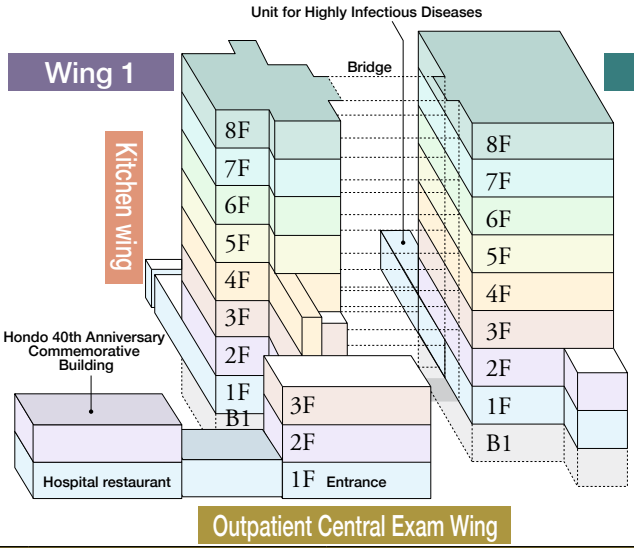
University Hospital

University Hospital (Front entrance)

The University Hospital is not only an educational and research facility, but it is also the core health care facility in the community. The hospital makes full use of its medical capabilities through an abundance of knowledge that covers each medical discipline and the most up to-date medical equipment. In 1994 it was designated as a Specific Function Hospital, and as a hospital that takes on a leadership role in the community, we shall continue to strive to further our efforts to contribute to society.

Furthermore, while we are actively trying to fulfill our role in training excellent medical staff and furthering medical research through providing adequate, high-quality, advanced medical care in an environment where patients can feel secure, we are also taking on a role central to community healthcare and healthcare related activities. We also strive to further our contributions globally.

〈Hospital Guide〉



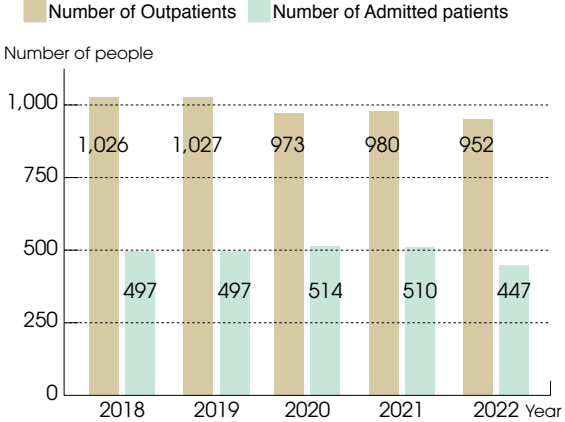
As of April 1, 2021

	Wing 1	Outpatient Central Exam Wing	Wing 2	
8F	Orthopedics Neurology		Hematology Nephrology Rheumatology	
7F	Ophthalmology Respiratory surgery Mammary gland/Endocrinology		Respiratory medicine ENT	
6F	Gastroenterology Esophageal surgery		Gastroenterology Clinical Oncology	
5F	Pediatrics Pediatric surgery Neonatal Intensive Care Unit (NICU) Growing Care Unit (GCU) Himawari Classroom Keyaki Classroom		Obstetrics Gynecology Diabetes and Endocrinology Geriatric Medicine Perinatal Maternal and Child Center	
4F	Neurosurgery Dermatology Plastic surgery Clinical Research Promotion and Support Center		Cardiovascular Internal medicine Cardiovascular surgery	
3F	Intensive Care Unit (ICU) Central Surgery	Dermatology Plastic surgery Psychiatry Diagnostic Pathology, Department of Pathology Division of General Medicine Division of Medical Security and Patient Safety Division of Nursing General Physician Center Palliative Care Center	Psychiatry	
2F	Division of Infection Control and Prevention Division of Blood Transfusion	Gastroenterological Surgery Esophageal Surgery Gastroenterology Hematology Nephrology Rheumatology Urology Otorhinolaryngology Dentistry and Oral Surgery Clinical Oncology Outpatient cancer chemotherapy room Neurosurgery Anesthesiology Kampo Medicine Outpatient Department Pediatrics Pediatric Surgery Central Laboratory Division Department of Pharmacy	Urology Diabetes/Endocrinology Geriatric medicine	Kitchen Wing
1F	Diagnostic Radiology Department Radiotherapy Department Dental and Oral surgery Barber Anesthesiology Emergency section Isotope examination room	Palliative Care Center Nursing Care for Cancer Outpatients Cardiovascular Medicine Respiratory Medicine Cardiovascular Surgery Respiratory Surgery Breast and Endocrine Surgery Obstetrics Gynecology Ophthalmology Orthopedic Surgery Neurology Geriatric clinical-examination Medical Center for the Major Cognitive Disorder Diabetes and Endocrinology Geriatric Medicine Rehabilitation Medicine / Division of Rehabilitation Diagnostic Radiology Radiation Oncology Central Radiology Center for Community Healthcare Patient Support Center for Cancer Patient Support • General information • Reception Cashier • Hospitalization guidance • Medical Affairs Division • Medical Service Office • Guardroom • Disaster Control Center • Library • Kiosk • Hospitalrestaurant • Coffee Shop • Admissions reception desk • ATM	Advanced Emergency and Critical Care Center Emergency Outpatient Endoscopy and Ultrasound Center Cardiovascular rehabilitation room	Nutrition Management Department / Unit for Highly Infectious Diseases
B1	Medical Information Department Department of General Medical Practice and Laboratory Diagnostic Medicine Radiotherapy Center Central Materials Department SPD Center		Clinical Engineering Center	

〈Number of Patients (Admitted and Outpatient) by Department〉 FY2022

Department	Admitted		Outpatient	
	Total number	Average number of patients per day	Total number	Average number of patients per day
Gastroenterology	11,037	30	17,072	70
Neurology	1,996	5	4,591	19
Cardiovascular Internal medicine	9,189	25	9,152	38
Respiratory medicine	5,108	14	4,296	18
Hematology	8,913	24	6,100	25
Nephrology	1,082	3	2,038	8
Rheumatology	1,552	4	5,758	24
Diabetes and Endocrinology	3,240	9	13,256	55
Geriatrics	0	0	0	0
Gastroenterological surgery	5,918	16	3,316	14
Respiratory surgery	4,140	11	2,553	11
Esophageal surgery	4,888	13	1,950	8
Mammary gland/ Endocrinology	1,527	4	7,055	29
Cardiovascular surgery	9,966	27	2,141	9
Neurosurgery	9,062	25	5,377	22
Pediatric surgery	829	2	1,646	7
Pediatrics	8,723	24	8,170	34
Obstetrics	5,088	14	3,832	16
Gynecology	4,920	13	13,284	55
Psychiatry	9,378	26	13,972	57
Orthopedics	11,909	33	15,831	65
Dermatology	3,876	11	17,814	73
Plastic surgery	512	1	1,296	5
Urology	12,017	33	15,109	62
Ophthalmology	8,537	23	15,417	63
ENT	8,299	23	12,553	52
Diagnostic Radiology	73	0	1,000	4
Radiotherapy	1,137	3	5,396	22
Anesthesiology	0	0	1,117	5
Rehabilitation	0	0	0	0
Oncology	3,952	11	3,053	13
Emergency	3,530	10	3,166	13
Division of Clinical Pathology	0	0	0	0
Dental and Oral surgery	2,673	7	13,742	57
Department of geriatric clinical-examination	0	0	309	1
Total	163,071	447	231,362	952

〈Average number of patients per day by year〉



〈Central Examination Facilities〉

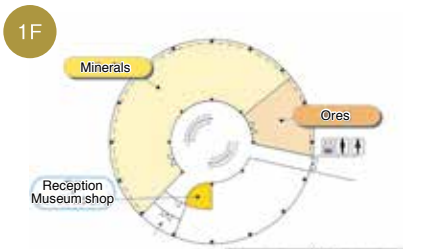
- Central Testing department
- Central Surgery department
- Central Radiology department
- Central Materials department
- Intensive Care Unit
- Advanced Emergency and Critical Care Center
- Transfusion department
- Rehabilitation department
- Medical Information department
- Blood Purification Therapy department
- Central Medical History department
- Perinatal Maternal and Child Center
- Pathology department
- Comprehensive Exam department
- Clinical Research Promotion and Support Center
- Clinical Engineering Center
- Transplant Testing Center
- Center for Medical Education and Training
- Endoscopy/Ultrasound Center
- Genetic Medicine department
- Oncology Information Center
- Center for Community Healthcare
- Patient Support, Center for Cancer Patient Support
- Chemotherapy department
- Palliative Care Center
- Nutrition Management department
- Hepatic Disease Consultation Center
- Center for Kidney Disease and Transplantation
- Stroke Comprehensive Medical Center
- Medical Center for the Major Cognitive Disorder
- General Physician Center
- Cancer Genome Medical Center
- Division of Nurse Practitioner

- Medical Safety Management department
- Infection Control unit
- Pharmaceutical department
- Nursing department

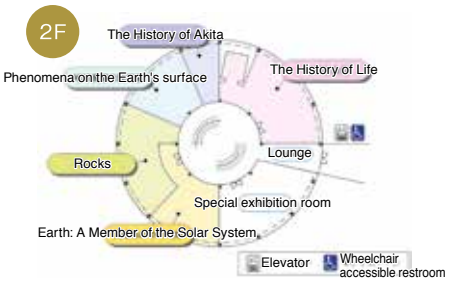
Helipad and Multistory parking lot

Mineral Industry Museum

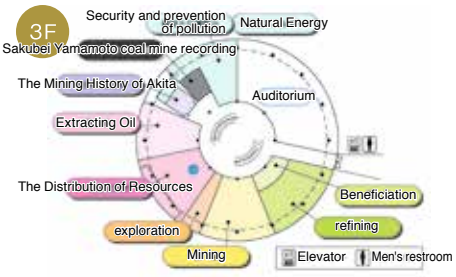
The Mineral Industry Museum is a facility attached to the Graduate School of International Resource Sciences for the storage and display of materials and specimens from various fields related to the earth and its resources that have been collected in the course of the University's research activities. Its history began with the exhibition room of Akita Mining School, which was founded in 1910 to train mining engineers. The Mineral Industry Museum was established when Akita University was originally inaugurated. A new building was constructed in 1961, and this is the Mineral Industry Museum as it stands today. In the public exhibition building, visitors can observe minerals, ores, rocks and fossils, and learn about the history of the earth and the development of resources. In addition, the resource development process and technology of mining is explained in an easy-to-understand manner with actual mining equipment and precision models. We also introduce the latest research and achievements in a wide range of academic fields through special temporary exhibits and public lectures.



The 1st floor houses an exhibition of minerals and ores. The specimens exhibited here are collected by staff, students, and alumni since the establishment of Akita Mining School, as well as specimens donated from the mine. We have around 2,200 different specimens on display here (500 varieties), the largest collection in Japan.



The 2nd floor houses an exhibition of specimens of meteorites, rocks, strata and fossils. You will see five exhibition areas as you enter: "The Earth: A Member of the Solar System", "Rocks", "Phenomena on the Earth's Surface", "The History of Akita" and "The History of Life on Earth". With the help of the many specimens, information panels digital content, visitors can learn about what the Earth is made of, what phenomena have occurred, when life began and how it has evolved.



The 3rd floor features an exhibition on "resource development". Because resource development covers such a wide range of technologies, we classify the processing of resources into stages from the exploration for minerals through to the production of metals - "Exploration", "Mining and Extracting Oil", "Beneficiation" and "Smelting". Each stage is explained in a separate exhibition area. We have also set up displays on "Distributing Mineral Resources", "Mine Security Technology", "Natural Energy" "The Mining History of Akita." You can learn all about mining technology and how it has evolved.

<Visitor information>
- Opening hours: 9:00AM -4:00PM
- Closed: New Year's Holiday (Dec 26 - Jan 5), Sundays and public holidays from December to February.
- Admission: Adult 100 yen. Admission is free for high school students and below.
- Free museum guide: Complimentary museum tours are available, hosted by science volunteers. (Reservation required one week in advance)

You can see inside the museum using Google Street View, with 360-degree panoramic photos showing the interior of the building from 1st floor to 3rd floor. It is accessible from your PC screen or smartphone. Search for "Mineral Industry Museum" in Google Maps or use this 2D barcode.

Affiliated School and Facilities for Education and Research

〈Faculty of Education and Human Studies〉

Affiliated School Grounds

As of 2022 May 1

Category		Total Capacity	Number of Classes	Number of Actual Students						
				Grade1	Grade2	Grade3	Grade4	Grade5	Grade6	Total
Kindergarten	3-year childcare	96	4	〈3year-old〉14		〈4year-old〉23		〈5year-old〉28		65
Elementary School		576	18	95	96	91	95	92	87	556
Junior High School		384	12	128	128	126	—			382
Special Support School	Elementary School Department	18	3	6		5		3		14
	Junior High School Department	18	3	8	7	7	—			22
	High School Department	24	3	7	5	8	—			20

〈Faculty of Education and Human Studies〉

Center for Educational Profession Enhancement

【Facility Purpose】Improvement of teaching qualifications and advancement of teacher training, theoretical and practical research on the teaching profession, clinical psychological research

【Research Sections】School Education Research Section, Teacher Development Research Section, Practical Education Research Section, Clinical Education Research Section, Akita Prefecture General Education Center City Research Institute Liaison Office, Career Support Office for Teachers, Clinical Psychology Consultation Room

〈Graduate School of International Resource Sciences〉

Mineral Industry Museum

【Facility Purpose】

- Conduct education, research, and investigations regarding the mining industry
- Collect, preserve, and display museum resources related to the mining industry

- Material samples: approximately 20,000
- Total samples: approximately 3,300

〈Faculty of Medicine〉

University Hospital

【Facility Purpose】
Conduct medical education and research through providing patients with healthcare

- 35 Medical departments
- 615 Hospital beds

〈Faculty of Medicine〉

University Hospital Medical Simulation Center

【Facility Purpose】
Established in a joint cooperation by Akita Prefecture and Akita University to further develop the skills of the medical staff in Akita Prefecture with an emphasis on "medical simulation education," which is the new foundation for Akita Prefecture's healthcare.

- 1st floor: TV Seminar Room *2nd floor: First-aid lab, Basic Clinical Techniques lab *3rd floor: Surgery Training room, Surgery Techniques lab,OB/GYN lab, Specialized Clinical Techniques lab

〈Graduate School of Medicine〉

Center for Care of Aging Populations

【Facility Purpose】
Akita has the highest aging population rate in Japan. This center aims to apply the University's educational and research resources and its commitment to regional social contributions to realize a comprehensive community care system (one that allows the patient to receive care in a way and place of their choosing, for as long as required).

【Center Activities】
We provide on-the-job education and training for nurses, careworkers, and care managers, and hold lecture meetings for professionals and local residents (2016). As part of the University's social contributions to the region, the center holdsvarious lectures including educating helpers for dementia sufferers, and creating a hospital in the home (since FY2015).

〈Graduate School of Medicine〉

Center for Innovative and Digitalized Medical Education

【Facility Purpose】
The aim of the center is to improve the quality of medical care through the establishment of a medical education network that leverages advanced digital technology, collaborating with various fields in the University and partnership training hospitals, and promoting seamless graduate and post-graduate education for the future.

【Center Activities】
With the cooperation of members from various fields, the center supports the creation and use of medical education materials (courses, exercises and evaluation) leveraging digital technology to establish an optimized framework for medical education for the next generation.

〈Graduate School of Medicine〉

Telemedicine Development and Research Center

【Facility Purpose】
The center promotes Akita University Hospital's telemedicine services and the telemedicine activities of the Graduate School of Medicine along with research initiatives in collaboration with clinical departments/university departments and courses, and contributes to the overall enhancement of medical care.

【Center Activities】
Organic collaboration and integration of telemedicine activities, proposal and implementation of new projects, development of new telemedicine approaches, negotiation and joint research with regional and local governments.

〈Graduate School of Engineering Science〉

●Center for Crossover Education

【Facility Purpose】

Contribute to improvement in quality of both students and teachers through a variety of new initiatives related to practical education in science and technology.

【Center Activities】

Study abroad consultations, manufacturing classes for children, techno career seminars etc.

〈Graduate School of Engineering Science〉

●Research Center of Advanced Materials for Breakthrough Technology

【Facility Purpose】

Research and development of high functional and advanced materials

【Areas of research】

Development of electrodes and catalysts materials for hydrogen production
Development of electrode materials for storage batteries
Development of electron transport layer materials for solar cells

University Common Use Facilities for Education and Research

●Center for Information Technology and Management

【Facilities and Equipment】

- Educational PCs (total 400): PC rooms 1.4, PC rooms A/B, Hondo PC room, Central Library, Medical Library
  * General Research Building (Information and education) Under construction
- Information services: Web mail, Large-size printer, computing server, Virtual server hosting
- Information network : LAN cable (1-4 Gbps to the floor switch), Wireless LAN, Internet (20 Gbps)

●Cooperative Research Center

【Purpose of Establishment】

Advance joint research with external organizations to develop Akita University's education and research capabilities. Promote the sharing of intellectual property and the social implementation of intellectual property based on these research results. Promote and contribute to technological development in society.

●International Center for Research and Education on Mineral and Energy Resources

【Purpose of Establishment】

To promote education and research in the field of natural resources by fostering advanced resource development professionals with an international perspective; work on sustainable resource development, and contribute to Japan's resource security and the stable supply of resources; build an international human resource network.

【Facilities and Equipment】

Oil, natural gas, and geothermal well drilling simulator for education and research (scheduled to start operation in 2022)

●Research Center for Regional Disaster Prevention and Mitigation

【Purpose of Establishment】

The facility acts as a base for education, research, and promotion of projects related to regional disaster prevention and mitigation, and works with local governments and private organizations, thereby contributing to the strengthening of disaster prevention capabilities in the region.

●Advanced Research Center for Geriatric Medicine

【Purpose of Establishment】

Aim to promote interdisciplinary research on our aging society and advanced research on geriatric medicine by strengthening the system of medical care for the elderly, based on our knowledge of dementia and regional sociological studies, and thereby contribute to the improvement of regional medical care and the development of research on longevity and health.

●Joint Research Center for Electric Architecture

【Purpose of Establishment】

To contribute to the sustainable development of the area and the realization of a vibrant regional society through promoting the research and development of electrified systems, including aircraft, based on industry-academia-government collaboration and through fostering industrial human resources to inspire companies, universities and students with entrepreneurial spirit, giving young people the opportunity to pursue their dreams by developing the creative industries of the future and enabling highly skilled human resources to play an active role to this effect.

●Suicide Prevention Research Center

【Purpose of Establishment】

The Center acts as a base for education, research and promotion of projects related to suicide prevention, and aims to contribute to helping to prevent suicide in the region in cooperation with local government and private organizations.

●Center for Integrated Control, Epidemiology and Molecular Pathophysiology of Infectious Diseases

【Purpose of Establishment】

The purpose of the Center is to organize and promote the integrated preventive, diagnostic and therapeutic strategies for infectious diseases, and promote the clinical, epidemiological and basic molecular research on infection diseases and host reaction. The Center is characterized by highly integrated clinical and basic research on infectious diseases. We also aim to disseminate the significant results of our clinical and research activities globally, and to train and educate medical personnel and researchers in the field of infectious diseases and infection epidemiology.

●Bioscience Education and Research Support Center

【Facilities and Equipment】

- Animal Research Laboratory: [Animal breeding equipment] For mice, rats, guinea pigs, rabbits, pigs, etc. [Special experiment equipment] Laboratory for infected animals, chemical hazard. [Analysis devices] 3D micro X-ray CT equipment Ultrasound echo imaging, in vivo luminescence imaging, fluorescence imaging, X-ray television systems, etc. [Research support work] Reproductive engineering support (cryopreservation, re-establishment of mouse strains), creation of genetically engineered animals, guidance on animal experiment techniques.
- Radioisotope Research Laboratory: [Equipment] Survey meter, liquid scintillation counter, image analysis scanner, etc. [Authorized nuclides] 15 types, including 3H, 14C, 32P and 125I. [Research support] Departmental staff available to carry out RI-related duties (Negotiable).
- Molecular Medicine Laboratory: [Equipment] Super-resolution confocal laser scanning microscope, transmission electron microscope, flow cytometer, next-generation sequencer, liquid chromatography-mass spectrometer, all-in-one fluorescence microscope, centrifuges, spectrophotometers, cell culture incubation room, biohazard room, cryostat, laser microdissection, liquid nitrogen, ultra-low-temperature freezer, large format printer, etc. [Research support] Tissue sample preparation, gene analysis, electron microscope sample preparation, sterilization.
- Department of Education and Research Liaison

●Radioisotope Research Center

【Facilities and Equipment】

- Unsealed source experiment area: -10°C and 4°C experiment laboratories: 3 fume hoods and 1 biosafety cabinet, liquid scintillation counter, tritium gas measuring and experiment equipment, various scalers, survey meters and plate analyzers
- Sealed source experiment area: Multi-channel ray spectrometer, high-performance liquid chromatograph mass spectroscope, image analyzer, horizontal x-ray diffractometer

16 types of unsealed sources and 5 types of sealed sources are available for use.

●Environmental Research Center

【Facilities and Equipment】

- Waste Treatment Building: inorganic waste – ferritization processing, organic waste/ hazardous solid waste – spray combustion/ incineration, mercury, cyanide waste – oxidative decomposition and adsorption processing, fluorine-phosphoric acid-based waste – calcification processing, COD waste – Fenton treatment
- Experiment and Analysis Building: Gas chromatograph/ mass spectrometer, gas chromatograph, atomic absorption spectrophotometer, liquid chromatograph, X-ray analysis equipment, other necessary equipment

●Center for Regional Revitalization in Research and Education

【Purpose of Establishment】

As a university which serves as a base for learning in the pursuit of regional development, we contribute to the promotion and revitalization of local businesses and the development of human resources which serve the community, through collaborative research and support initiatives which promote the local economy.

●Center for Regional Revitalization in Research and Education Building No. 1

【Facilities and equipment】

Fume hood, Microwave reactor, ultra-high resolution field emission scanning electron microscope, CHNSO elemental analyzer, flame/furnace atomic absorption spectrometer, CHO/CHS elemental analyzer, nuclear magnetic resonance spectrometer (600 MHz), X-ray photoelectron spectrometer, micro-focus X-ray computed tomography system, mercury porosimeter, ultra-high-performance liquid chromatography, light scattering gel permeation chromatography with light scattering detector, terahertz spectrometer, specific surface area/pore size distribution measurement system, catalyst analyzer, thermal cycler for real-time PCR, multi-label plate reader, modular electrochemical analyzer, rotational viscometer, bio-clean bench,confocal laser scanning microsopy.

●Center for Regional Revitalization in Research and Education Building No. 2

【Facilities and Equipment】

- Innovative recycling technology and evaluation systems:Vibration mill, roll-type magnetic separator, nonferrous metal separator (eddy current separator), air table separator, ICP optical emission spectroscopy, ion chromatography, X-ray fluorescence, nanoparticle analyzer, Thermogravimetry-differential thermal analysis, metal dispersion analyzer, scanning probe microscope, shape measuring microscope, vacuum arc melting furnace, etc.
- High-function material fabricating and measurement systems: Field emission scanning electron microscope, Alloy film fabrication system, Ion Coater (Au,C), High vacuum scanning probe microscope, High sensitivity magnetization measurement system, High vacuum heat treatment system, X-ray diffractometer for thin films, X-ray diffractometer for powder, Magnetic storage material analysis and evaluation system, Nanoparticle size analysis / zeta potential measurement system, Liquid nitrogen production equipment, surface roughness measurement system, etc.

Centers for Education and Research

	Purpose of Establishment
Institutional Research and Evaluation Center	● To support self-evaluation, assessment activities, and efforts to improve the management at Akita University. ● To research and develop student/faculty evaluation systems ● Utilization and analysis of information inside and outside the university
Global Center for Higher Education	● To promote the structure and educational activities of an education system centered on a fundamental core curriculum education ● To improve and enhance fundamental core curriculum education and specialized education through investigation, research, and development ● Planning and public relations activities related to international exchange ● To promote international academic exchange ● To promote international educational exchange
Student Support Center	● To provide support for students through various types of consultation, and financial aid through tuition waivers and scholarship recommendations ● To provide support for extracurricular activities such as the university festival, and to promote the maintenance and improvement of extracurricular activity facilities ● Employment guidance, provision of employment information, support in searching for a career, such as employment consultations
Secondary Education Collaboration Center	● Connection between high school and university studies ● Research and development of selection methods for university admissions based on admissions policies ● Planning and drafting PR material for aspiring university applicants
Educational Profession Career Center	● Management and administration of teaching programs at Akita University ● Training support for school teachers

Technological Organization

	Purpose of Establishment
General Technical Section	● To provide campus-wide technological support for educational research activities ● To maintain and develop the expertise of the engineering faculty as a common asset of the university, and to improve those capabilities and qualities and to ensure excellent tech support.

Welfare Facilities

Facility	Major information
Health Center	Chest X-ray equipment, health monitoring equipment (height measurement and weight scale, blood pressure monitor, optometer), cardiograph, body composition analyzer, hearing test room, medical examination room, medical procedure room, 2 consultation rooms, rest and recovery room (3-beds), accessible restroom.
University Hall (Clair) (Tegata Campus)	●1st floor/Management office, cafeteria, kitchen, food and "bento" corner, amenities corner, Career station, Vending machine corner, events hall ●2nd floor/Training rooms (1,2,3), Japanese style rooms (Ajisai, Rindo), meeting room, school store and travel corner
Hondo Hall (Medikoko) (Hondo Campus)	●1st floor/Cafeteria, kitchen, kiosk,office, storage ●2nd floor/Training room, consultation room, club room, small meeting room, supply closet
Student Dormitories	See table below
International House	● Rooms/Individual rooms (28 rooms for international students, 5 rooms for international researchers), family rooms (2 rooms for international researchers), couples' rooms (3 rooms for international researchers) ● Management related/Management office, maintenance room, storage ● Common rooms/ All-purpose hall, meeting room, laundry room
International Student House	● Rooms/Individual rooms (27 rooms), couple rooms' (3 rooms) ● Management related/Office, machine room, storage ● Common rooms/Meeting room, Japanese style room, laundry room

Category	Tegata Dorm (women only) (excluding international students)	Hondo Dorm (women only) (excluding international students)	Nishiyachi Dorm (men only) (including international students)
Total Building Area	746㎡	1,076㎡	3,171㎡
Number of Rooms	40	31	130
Maximum Capacity	40	31	130

University Hall (Clair) (Tegata Campus)

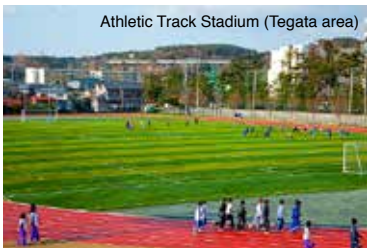
Nishiyachi Dorm

International House

International Student House

Sports Facilities

Facility	Area(㎡) Tegata area	Hondo area	Hodono area	Comments
Athletic Track Stadium	24,637	20,909	—	400m／6 courses, main/8 courses
Baseball field	20,378		—	—
Sports field	Used jointly with the Athletic Track	Used jointly with the Athletic Track	—	soccer, rugby (Hondo area has soccer, rugby, soft baseball)
Handball court		—	—	—
Large gymnasium	2,591	1,079	3,588	basketball, handball, volleyball, badminton, judo, kendo, etc. (Hondo area has volleyball, badminton, basketball, table tennis, futsal, handball)
Small gymnasium	750	—	—	gymnastics, table tennis, karate, etc.
Martial arts gymnasium	—	—	373	judo, kendo
Archery field	149	—	—	—
Tennis courts	(5courts)3,238	(5courts)3,614	—	—
Swimming Pool(25m)	800	—	—	7courses
Exercise ground	—	—	14,923	—


Athletic Track Stadium (Tegata area)

Gymnasium (Tegata area)

Yokote Branch School, Kita Akita Branch School, Oga Namahage Branch School

The Yokote city, Kita Akita city and Oga city branch schools have been established in an effort to disseminate information from Akita University throughout the prefecture and have a closer cooperative relationship with local communities.

Yokote Branch School
〈Opened August 5, 2009〉

- The Center conducts projects to promote local culture and health, such as satellite sites for remote public lectures and public lectures on health initiatives.
- We promote collaboration projects between elementary, junior high and high schools, such as the "Mini educational practice" for students who want to become teachers.

Contact
013-0045 13-1 Minamimachi, Yokote City
At Yokote Municipal Auditorium
TEL 0182-38-8304
FAX 0182-32-7871

Kita Akita Branch School
〈Opened November 17, 2010〉

- The class is aimed at youth sports teams, junior high school students as well as parents and guardians. Using methods such as ultrasound scans, checks are made on players' bones and muscles, flexibility of their arms, legs and core, and their athletic technique. Based on this, advice and guidance is given on stretching exercises and on sports technique.
- Offers science classes for elementary and junior high school students.

Contact: 018-3312 19-1 Hanazono-cho, Kita Akita-shi Under the Kita-Akita City General Policy Division
TEL 090-7063-6489

Oga Namahage Branch School
〈Opened September 30, 2013〉

- Making efforts to raise the level of local education through projects that encourage self-study and self-learning for children, and organized visits to the Faculty of Medicine.
- We are aim to extend the healthy life span of elderly citizens in Oga City, by encouraging them to maintain and improve their motor function.

Contact
010-0595 66-1 Izumidai, Funagawa, Funagawaminato, Oga-shi
Oga city General Affairs Planning Department Strategic Planning Section
TEL 0185-24-9126
FAX 0185-23-2424

Information Center

Here we have our current research and education projects on display, including regular exhibitions on the work of our prominent graduates (for example Tamezo Narita and Keishi Nagi). Also, various events and concerts are organized by students and faculty members.

〈Admission Information〉

- Opening Hours/10:30 a.m. – 5:00 p.m.
- Opening Days/Weekdays only (Entrance is free)

Information Center Exterior

Students in the Open Space

〈Main Items on Permanent Display〉

- Introduction of Graduates

Tamezo Narita

A graduate of the Akita Prefecture Normal School (predecessor to the Faculty of Education and Human Studies). He left more than 300 outstanding songs to the world such as "Song of the Beach" and the "Akita Prefectural Song." Surviving records show that he began seriously studying composition while attending the Akita Prefecture Normal School.

Keishi Nagi

A member of the second graduating class of the Akita University Faculty of Medicine. He continues to work as a doctor at the Saku General Hospital in Nagano Prefecture and also authors books. His works include *Medical Student*, which is set at the newly established Akita University Faculty of Medicine, and portrays the worries and conflicts of its main characters, 4 young medical students, and *Diamond Dust*, which was the winner of the 100th Akutagawa award.

Tokiko Matsuda

Educated at Akita Women's Teacher Training Institute (now Department of Education and Human Studies), Tokiko Matsuda is a well published author and her 1966 novel "Orin Kuden", a series based on the life of her mother and the people of Arakawa mine, received the 8th Tamura Toshiko Award in 1968.

Masatatsu Abe

A graduate of the Graduate School of Engineering and Resource Science Department, Masatatsu Abe, is a true adventurer, always heading wherever his dreams may lead. Since leaving university, he has undertaken many exciting adventures, such as cycling across South America and rafting down the Amazon River. For his next adventure he is planning an expedition to the South Pole, following in the footsteps of Nobu Shirase, an Akita Prefecture-born explorer of the South Pole.

Information

- Historical Sketch
- Academic Organization
- Student Quota, Current Student Data
- New Student Application and Entrant Data
- Undergraduate and Graduate School Graduate Data
- Degree Conferral Data
- International Student Data
- International Researcher Data
- Overseas Partner Universities
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- Budget for FY2023
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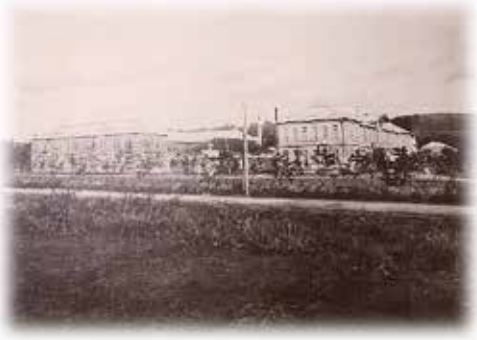
- Tegata Campus Map
- Hondo Campus Map/Hodono Campus Map
- Access

Historical Sketch



1910 March
Akita Mining College
(National)

1873 September
Akita Denshu School

1874 May
Akita Taihei School

1878 April
Akita Prefecture Normal School

1878 December
Akita Normal School

1880 May
Akita Women's
Normal School

1886 August
Akita Prefecture Jinjyo Normal School

1898 April
Akita Prefecture Normal School

1909 April
Akita Prefecture Women's
Normal School

1943 April
Akita Normal School (National)

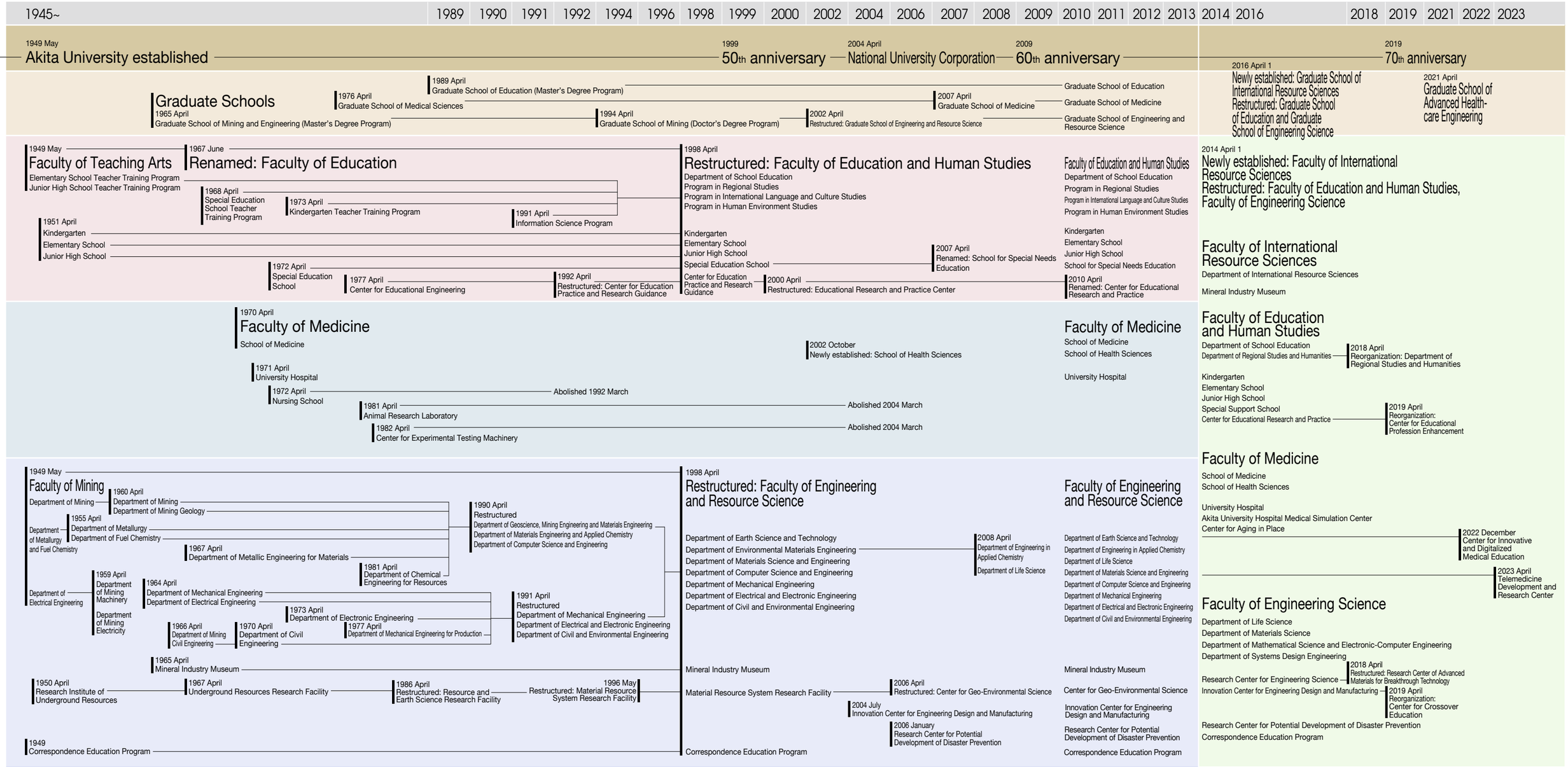
1924 March
Akita Prefectural Technical
Continuation School
Teacher Training School

1935 April
Akita Prefectural Youth
School Teacher Training
School

1944 April
Akita Youth Normal
School (National)

Centennial Hall (Constructed 2012 October)

Built to commemorate the 100th anniversary of the founding of the Faculty of Engineering Resources
Its exterior inherits the Akita Mining College building, the predecessor to Akita University



College of Allied Medical Science

(1989 April – 2007 March)

- Department of Physical Therapy, Department of Occupational Therapy (separated and expanded 1990 April) 【Department of Nursing (1989 October)】

Non-degree Post-graduate Courses

- Advanced Course of Mining (1954 April – 1965 March)
- Advanced Course of Education (1965 April – 1989 March)
- Special Advanced Course of Special Education (1980 April – 2008 March)

University Common Use Facilities for Education and Research

- Cooperative Research Center (2007 November) 【Intellectual Property Headquarters (2004 April) + Regional Cooperative Research Center (1993 April)】
- General Information Processing Center (2015 April) 【Information Processing Center (1989 January)】
- Bioscience Education and Research Support Center (2016 April) [Bioscience Education and Research Center (2004 April)]
- Radioisotope Research Center (1974 June)
- Environmental Research Center (2004 April)
- International Center for Research and Education on Mineral and Energy Resources (2009 October)
- Center for Regional Revitalization in Research and Education (2016 April) [Center for Regional Revitalization in Research and Education (2011 April); Venture Business Laboratory (2001 May); Venture Incubation Center (2012 October)]
- Advanced Research Center for Geriatric Medicine (2018 January)
- Joint Research Center for Electric Architecture (2021 April)
- Suicide Prevention Research Center (2021 April)
- Research Center for Regional Disaster Prevention and Mitigation (2022 April)
- Center for Integrated Control, Epidemiology and Molecular Pathophysiology of Infectious Diseases (2023 March)

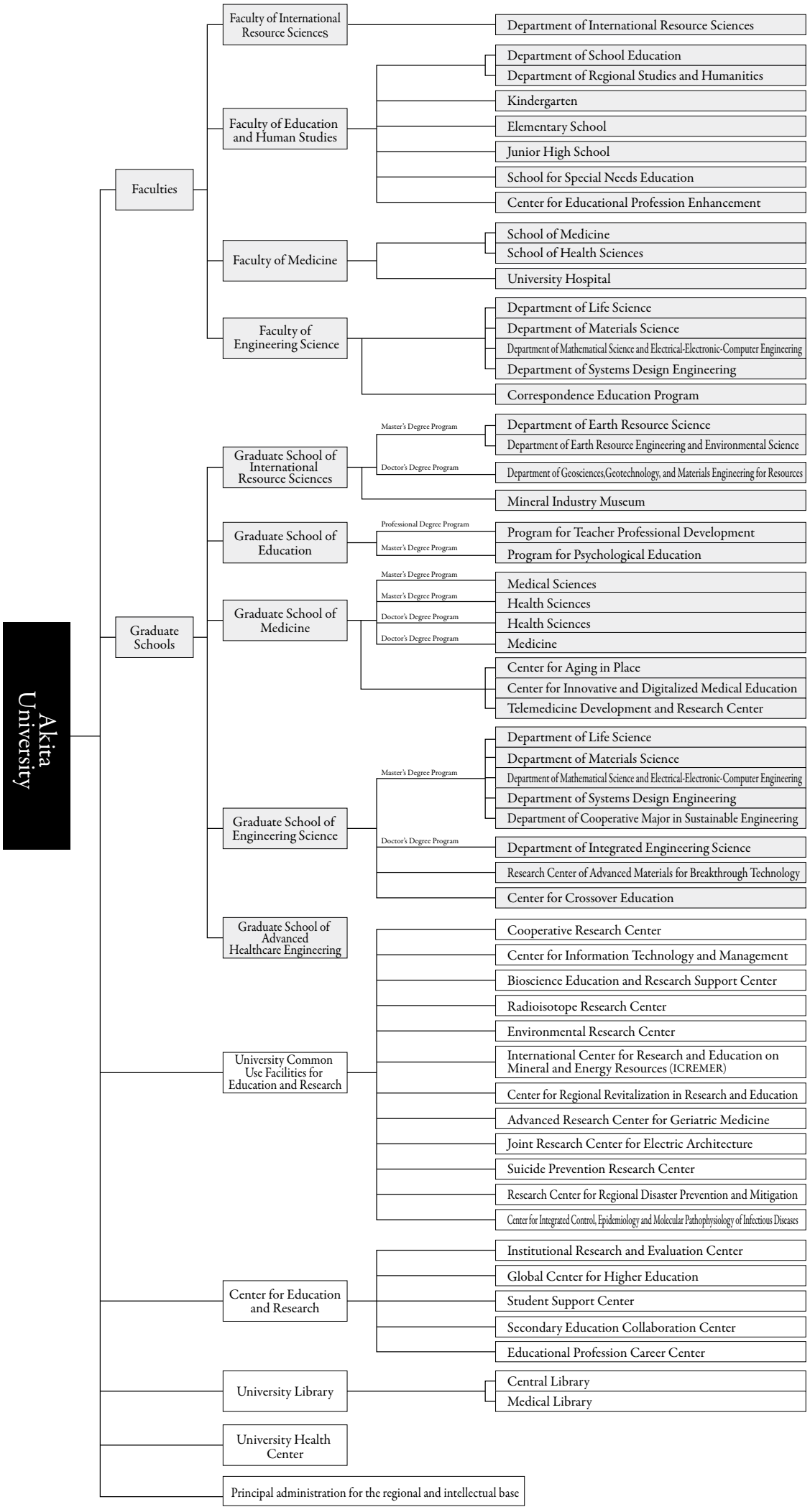
Centers for Education and Research

- Institutional Research and Evaluation Center (2017 April) [Center for Evaluation (2004 April)]
- Global Center for Higher Education (2019 April)
- Student Support Center (2004 April)
- Secondary Education Collaboration Center (2017 April)
- Educational Profession Career Center (2022 April) 【Center for Teaching License Extension (2009 April)】

*Organization for the Promotion of Social Contribution(2004 April – 2009 March)

- University Library(1949 May)
- University Health Center(1974 April)
- Center of Community (Promotion division of Community) (2016 April)

Academic Organization



Student Quota, Current Student Data

〈Faculties〉

As of 2023 May 1

Faculty	Department/Program	Max. Enrollment Capacity	Max. Student Capacity	Current Students Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Faculty of International Resource Sciences	Department of International Resource Sciences	120	480	138	134	117	127			516
	Total	120	480	138	134	117	127			516
Faculty of Education and Human Studies	Department of School Education	110	440	114	116	129	109			468
	Department of Regional Studies and Humanities	100	400	104	102	112	102			420
	Total	210	840	218	218	241	211			888
Faculty of Medicine	School of Medicine	〈5〉124	769	132	126	141	121	133	128	781
	School of Health Sciences	(14)106	452	109	113	110	100			432
	Total	〈5〉(14)230	1,221	241	239	251	221	133	128	1,213
Faculty of Engineering Science	Department of Life Science	45	180	50	45	44	45			184
	Department of Materials Science	110	440	124	112	112	111			459
	Department of Mathematical Science and Electrical-Electronic-Computer Engineering	120	480	133	127	142	128			530
	Department of Systems Design Engineering	120	480	133	136	145	120			534
	Common Subjects	12	24							
	Total	(12)395	1,604	440	420	443	404			1,707
Total		〈5〉(26)955	4,145	1,037	1,011	1,052	963	133	128	4,324

*Numbers in ( ) represent third-year transfer students and are not included in the tally. *Numbers in < > represent second-year transfer students and are not included in the tally.

〈Graduate Schools〉

As of 2023 May 1

School	Department	Max. Enrollment Capacity	Max. Student Capacity	Current Students Master's Degree Program Year 1	Year 2	Total
Graduate School of International Resource Sciences	Department of Earth Resource Science	17	34	25	20	45
	Department of Earth Resource Engineering and Environmental Science	23	46	33	31	64
	Total	40	80	58	51	109
	Department	**Max. Enrollment Capacity**	**Max. Student Capacity**	**Doctor's Degree Program Year 1**	**Year 2**	**Year 3**	**Total**
	Department of Geosciences,Geotechnology, and Materials Engineering for Resources	10	30	20	19	10	48
Total		50	110				157

School	Department	Max. Enrollment Capacity	Max. Student Capacity	Current Students Professional Degree Program Year 1	Year 2	Total
Graduate School of Education	Program for Professional Development of Teachers	20	40	23	5	28
	Department	**Max. Enrollment Capacity**	**Max. Student Capacity**	**Current Students Master's Degree Program Year 1**	**Year 2**	**Total**
	Program for Psychological Education	6	12	5	9	14
Total		26	52			42

School	Department	Max. Enrollment Capacity	Max. Student Capacity	Current Students Master's Degree Program Year 1	Year 2	Total
Graduate School of Medicine	Medical Sciences	【3】5	【6】10	3	2	5
	Department	**Max. Enrollment Capacity**	**Max. Student Capacity**	**Master's Degree Program Year 1**	**Year 2**	**Total**
	Health Sciences	12	24	11	16	27
	Department	**Max. Enrollment Capacity**	**Max. Student Capacity**	**Doctor's Degree Program Year 1**	**Year 2**	**Year 3**	**Total**
	Health Sciences	3	9	4	4	5	13
	Department	**Max. Enrollment Capacity**	**Max. Student Capacity**	**Doctor's Degree Program Year 1**	**Year 2**	**Year 3**	**Year 4**	**Total**
	Medicine	30	120	30	32	35	87	184
Total		【3】50	【6】163					229

*The number in parentheses [ ] is the number of students in the Master's Course in Medical Science at the Graduate School of Medicine and the Master's Course in Systems Design Engineering in the Graduate School of Engineering Science.

School	Department	Max. Enrollment Capacity	Max. Student Capacity	Current Students Master's Degree Program Year 1	Year 2	Total
Graduate School of Engineering Science *3: Not accepting new students as of the 2022 school year	Department of Life Science	15	30	21	22	43
	Department of Materials Science	40	80	41	51	92
	Department of Mathematical Science and Electrical-Electronic-Computer Engineering	45	90	48	66	114
	Department of Systems Design Engineering	【7】32	【14】64	37	36	73
	Department of Cooperative Major in Sustainable Engineering	18	36	25	31	56
	Department of Cooperative Major in Life Cycle Design Engineering				3	3
	Total	【7】150	【14】300	172	209	381
	Department	**Max. Enrollment Capacity**	**Max. Student Capacity**	**Doctor's Degree Program Year 1**	**Year 2**	**Year 3**	**Total**
	Department of Integrated Engineering Science	10	30	7	13	22	42
Total		【7】160	【14】330				423

*The number in parentheses [ ] is the number of students in the Master's Course in Medical Science at the Graduate School of Medicine and the Master's Course in Systems Design Engineering in the Graduate School of Engineering Science.

School	Department	Max. Enrollment Capacity	Max. Student Capacity	Current Students			Total
				Master's Degree Program			
				Year 1	Year 2		
Graduate School of Advanced Healthcare Engineering		【10】	【20】	10	10		20
Total		【10】	【20】				20

*The number in parentheses [ ] is the number of students in the Master's Course in Medical Science at the Graduate School of Medicine and the Master's Course in Systems Design Engineering in the Graduate School of Engineering Science.

School	Department	Max. Enrollment Capacity	Max. Student Capacity	Current Students			Total
				Master's Degree Program			
				Year 1	Year 2		
Graduate School of Engineering and Resource Science *1: Not accepting new students as of the 2012 school year *2: Not accepting new students as of the 2016 school year	Department of Earth Science and Technology	※2					
	Department of Materials-process Engineering and Applied Chemistry for Environments	※1					
	Department of Applied Chemistry	※2					
	Department of Life Science						
	Department of Materials Science and Engineering						
	Department of Computer Science and Engineering						
	Department of Mechanical Engineering						
	Department of Electrical and Electronic Engineering						
	Department of Civil and Environmental Engineering						
	Cooperative Major in Life Cycle Design Engineering						
	Total						

Department	Max. Enrollment Capacity	Max. Student Capacity	Doctor's Degree Program				Total
			Year 1	Year 2	Year 3		
Department of Geosciences, Geotechnology, and Materials Engineering for Resources	※2						
Department of Life Science							
Department of Advanced Materials Engineering							
Department of Production and Civil Engineering							
Department of Electrical, Electronic and Computer Systems Engineering					1		1
Total					1		1
Total							1

Grand Total	【10】286	【20】655					872

*The number in parentheses [ ] is the number of students in the Master's Course in Medical Science at the Graduate School of Medicine and the Master's Course in Systems Design Engineering in the Graduate School of Engineering Science.

New Student Application and Entrant Data

〈Faculties〉

2023 school year

Section	Max. Enrollment Capacity	Applicants			Entrants			Ratio
		Male	Female	Total	Male	Female	Total	
Faculty of International Resource Sciences	120	228	124	352	80	37	117	2.93
Faculty of Education and Human Studies	210	306	412	718	86	130	216	3.42
Faculty of Medicine	230	613	580	1,193	99	133	232	5.19
Faculty of Engineering Science	395	1,347	245	1,592	336	70	406	4.03

*Does not include international study students (except for privately-financed international students from the Faculty of International Resource Sciences and Faculty of Engineering Science). In addition, 4 Japanese Government Scholarship Students (Faculty of International Resource Sciences) and 4 Malaysian Government Scholarship Students (Faculty of Engineering Science). Also does not include transfer students.

〈Graduate Schools〉

2023 school year

Section			Max. Enrollment Capacity	Applicants			Entrants			Ratio
				Male	Female	Total	Male	Female	Total	
Graduate School of International Resource Sciences (Master's Degree Program)			40	36	19	55	32	16	48	1.38
Graduate School of International Resource Sciences (Doctor's Degree Program)			10	8	6	14	6	6	12	1.40
Graduate School of Education (Professional Degree Program)			20	18	7	25	16	7	23	1.25
Graduate School of Education (Master's Degree Program)			6	3	8	11	1	4	5	1.83
Graduate School of Medicine	Master's Degree Program	Medical Sciences	5※【3】	2	1	3	2	1	3	1.50
	Master's Degree Program	Health Sciences	12	8	6	14	5	6	11	1.17
	Doctor's Degree Program	Health Sciences	3	5	2	7	2	2	4	2.33
	Doctor's Degree Program	Medicine	30	17	13	30	17	13	30	1.00
Graduate School of Engineering Science (Master's Degree Program)			150※【7】	182	33	215	142	26	168	1.50
Graduate School of Engineering Science (Doctor's Degree Program)			10	6	1	7	6	1	7	0.70
Graduate School of Advanced Healthcare Engineering			※【10】	10	1	11	9	1	10	1.10

*Does not include Japanese government scholarship foreign exchange students or specially selected foreign exchange students.
(However, includes Japanese government scholarship foreign exchange students and specially selected foreign exchange students at the Graduate School of International Resource Sciences.)
*Capacity of 10 students in Advanced Health Care: 3 students out of 5 from the Master's Course in Medical Science in the Graduate School of Medicine and 7students out of 150 from the Master's Course in the Graduate School of Engineering Science.

Undergraduate and Graduate School Graduate Data

〈Faculties, Graduate Schools, and Post-graduate Non-degree Courses〉

Faculties			Graduate Schools			Post-graduate Non-degree Courses	
Section	2022 School Year	Total	Section	2022 School Year	Total	Section	Total
Faculty of International Resource Sciences	114	655	Graduate School of International Resource Sciences (Master's Degree Program)	42	221		
			Graduate School of International Resource Sciences (Doctor's Degree Program)	9	41		
Faculty of Education and Human Studies	211	6,053	Graduate School of Education (Master's Degree Program)	5	912	Advanced Course of Education	78
Faculty of Education		14,519	Graduate School of Education (Professional Degree Program)	17	125	Special Advanced Course of Special Education	212
Faculty of Medicine	232	6,734	Graduate School of Medicine (Master's Degree Program)	2	68		
			Graduate School of Medicine (Master's Degree Program)	12	153		
			Graduate School of Medicine (Doctor's Degree Program)	3	42		
			Graduate School of Medicine (Doctor's Degree Program)	22	302		
			Graduate School of Medicine		791		
Faculty of Engineering Science	399	2,388	Graduate School of Engineering Science (Master's Degree Program)	144	862		
			Graduate School of Engineering Science (Doctor's Degree Program)	4	27		
Faculty of Engineering and Resource Science		7,476	Graduate School of Engineering and Resource Science (Master's Degree Program)		2,022		
			Graduate School of Engineering and Resource Science (Doctor's Degree Program)	1	151	Advanced Course of Mining	58
Faculty of Mining		14,522	Graduate School of Mining (Master's Degree Program)		1,270		
			Graduate School of Mining (Master's Degree Program)		1,012		
			Graduate School of Mining (Doctor's Degree Program)		123		
			Graduate School of Advanced Healthcare Engineering	5	5		
Total	956	52,347	Total	266	8,127	Total	348

*Advanced Course of Mining abolished March 1965 *Advanced Course of Education abolished March 1989 *Graduate School of Mining (Master's Degree Program) abolished March 1997 *Faculty of Education restructured/renamed to Faculty of Education and Human Studies in April 1998 *Faculty of Mining restructured/renamed to Faculty of Engineering and Resource Science in April 1998 *Graduate School of Mining restructured/renamed to Graduate School of Engineering and Resource Science in April 2002 *Special Advanced Course of Special Education abolished March 2008 *Graduate School of Medicinal Science restructured/renamed Graduate School of Medicine in April 2007 *Faculty of Engineering and Resource Science reorganized and renamed as the Faculty of Engineering Sciences in April 2014 Faculty of Engineering Sciences *Graduate school of Engineering and Resource Science reorganized and renamed as the Graduate School of Engineering Sciences Graduate School of Advanced Healthcare Engineering Newly established April 2021

〈College of Allied Medical Science〉

Section	Department of Nursing	Department of Physical Therapy	Department of Occupational Therapy
Total	1,015	246	254

*College of Allied Medical Science abolished March 2007

Degree Conferral Data

Section		2014	2015	2016	2017	2018	2019	2020	2021	2022	Total
Graduate School of International Resource Sciences	Master's Degree (Resource Sciences)				4	8	4	3	4	8	31
	Master's Degree (Science)				8	12	17	11	14	16	78
	Master's Degree (Engineering)				12	14	33	17	18	18	112
	Doctor's Degree (Resource Sciences)						1	3	3	0	7
	Doctor's Degree (Science)						6	4	3	6	19
	Doctor's Degree (Engineering)					3	1	3	5	4	16
	Total				24	37	62	41	47	52	263
Graduate School of Education	Master's Degree (Education)	24	31	28	7	4	4	5	3	5	912
	Master of Education			4	24	20	27	12	21	17	125
	Total	24	31	32	31	24	31	17	24	22	1,037
Graduate School of Medicine	Master's Degree (Medical Science)	0	3	1	2	1	2	0	0	2	31
	Master's Degree (Nursing)	6	4	7	4	7	5	2	10	7	93
	Master's Degree (Rehabilitation Science)	8	7	4	7	5	4	6	11	5	97
	Doctor's Degree (Health Sciences) (Course)	4	3	5	3	4	4	2	4	3	42
	Doctor's Degree (Medicine) (Course)	25	23	27	35	28	20	20	25	22	304
	Doctor's Degree (Medicine) (Thesis)	3	4	0	2	4	3	5	2	0	43
	Total	46	44	44	53	49	38	35	52	39	610
Graduate School of Medicinal Science	Doctor's Degree (Medicine) (Course)										806
	Doctor's Degree (Medicine) (Thesis)										574
	Total										1,380
Graduate School of Engineering Science	Master's Degree (Science)			1	9	20	21	28	40	33	152
	Master's Degree (Engineering Science)				26	29	35	38	36	35	199
	Master's Degree (Engineering)				86	88	78	95	88	76	511
	Doctor's Degree (Science)				1	0	2	2	2	0	7
	Doctor's Degree (Engineering Science)						3	1	2	3	9
	Doctor's Degree (Engineering)					1	4	1	4	1	11
	Total			1	122	138	143	165	172	148	889
Graduate School of Engineering and Resource Science	Master's Degree (Engineering)	101	145	136	6	1					1,927
	Master's Degree (Resource Science)	6	6	14	1						48
	Master's Degree (Science)	13	11	15							47
	Doctor's Degree (Engineering) (Course)	8	7	9	9	8	1	0	0	1	139
	Doctor's Degree (Resource Science) (Course)	1	0	2	1	3					9
	Doctor's Degree (Science) (Course)		1	2							3
	Doctor's Degree (Engineering) (Thesis)	0	1	0	1						12
	Doctor's Degree (Resource Science) (Thesis)	0	0	0							1
	Doctor's Degree (Science) (Thesis)		0	0							0
	Total	129	171	178	18	12	1	0	0	1	2,186
Graduate School of Mining	Master's Degree (Engineering)										2,252
	Master's Degree (Resource Science)										30
	Doctor's Degree (Engineering) (Course)										117
	Doctor's Degree (Resource Science) (Course)										6
	Doctor's Degree (Engineering) (Thesis)										31
	Total										2,436
Graduate School of Advanced Healthcare Engineering	Master's Degree (Engineering)									5	5
	Total									5	5
Grand Total		199	246	255	248	260	275	258	295	267	8,806

International Student Data

As of 2023 May 1

Country	Faculty																						Subtotal				Graduate School																Subtotal				Total								Total
	Undergraduate Total	Faculty of International Resource Sciences				Faculty of Education and Human Studies				Faculty of Medicine				Faculty of Engineering Science													Undergraduate Total	Graduate School of International Resource Sciences				Graduate School of Education				Graduate School of Medicine				Graduate School of Engineering Science																				
		Regular				Regular				Regular				Regular														Regular				Regular				Regular				Regular																			
		Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private		Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Gov't Sponsored	Private	Regular Total	Non-Regular Total	
India																									1																										1
Myanmar																									1		1 (1)																1 (1)				1 (1)	1				1
Thailand	1	1																1							5	2 (1)	2 (2)												1 (1)			2 (1)	3 (3)			3 (1)	3 (3)	6				6
Malaysia	19		2 (1)				1							2	14 (4)			2	17 (5)			1															1					1			2	18 (5)	20				20
Indonesia	5				4										1				1		4	17	6 (2)	11 (2)																	6 (2)	11 (2)			6 (2)	12 (2)	18		4	4	22
Philippines																						9	3	1														5 (1)				8 (1)	1			8 (1)	1	9				9
Korea	12							2	2 (1)						8 (2)				8 (2)	2	2 (1)																										8 (2)	8	2	2 (1)	4	12
Mongolia	6	3 (2)												2 (2)			1	5 (4)			1	4		3 (2)														1 (1)				4 (3)			5 (4)	4 (3)	9		1	1	10
Vietnam	23						1 (1)								20 (8)		2 (2)		21 (9)		2 (2)	1		1																					22 (9)	22		2 (2)	2	24
China	60		5 (2)				6		11 (8)		1				36 (8)		1		48 (10)		12 (8)	34		1 (1)								1 (1)												34 (7)			82 (17)	82		12 (8)	12	94
Laos																						1		1 (1)																						1 (1)	1				1
Taiwan	4								1 (1)						1		2 (1)		1		3 (2)																									1	1		3 (2)	3	4
Turkey																		1	1																										1					1
Syria																		1		1																										1	1				1
Israel	1								1												1																														1
Afghanistan																		4		4																										4	4				4
Egypt																		1	1																										1					1
Algeria																		1	1 (1)																										1 (1)			1 (1)	1	1
Madagascar																		2		2 (2)																										2 (2)	2				2
Kenya																		1		1																										1	1				1
Tanzania																		3		3 (1)																										3 (1)	3				3
Nigeria																		1																				1								1	1				1
Ghana																		1																1												1		1				1
Morocco																		1																		1 (1)								1 (1)			1 (1)	1	1
Ethiopia																		1		1																										1	1				1
Zimbabwe																		1		1																										1	1				1
Benin																		1																1												1		1				1
Malawi																		1		1																										1	1				1
Namibia																		1		1																										1	1				1
Botswana																		6	3 (2)	3 (3)																										3 (2)	3 (3)	6				6
Djibouti																		1		1																										1	1				1
Papua New Guinea																		4	2	2 (1)																										2	2 (1)	4				4
Fiji																		1		1 (1)																										1 (1)	1				1
U.S.A.	1								1 (1)								1 (1)	1				1																								1	1		1 (1)	1	2
Saint Lucia																		1																															1 (1)		1	1
Germany	1																1	1		1																										1	1			1	1	2
Romania	1							1 (1)													1 (1)																													1 (1)		1	1
Ukraine	8				1				6 (6)								1 (1)				8 (7)	1			1 (1)																					1 (1)				9 (8)	9	9
Uzbekistan																		3		3																										3	3				3
Kazakhstan																		2		2																										2	2				2
Tadzhikistan																		4		4 (2)																										4 (2)	4				4
Total	142	4 (2)	7 (3)		5		8 (1)	3 (1)	22 (17)		1			4 (2)	80 (22)		8 (4)	8 (4)	96 (26)	3 (1)	35 (21)	121	19 (6)	53 (19)		1 (1)					1	2 (1)	1 (1)			8 (2)	36 (7)			28 (8)	91 (27)	1 (1)	1 (1)	36 (12)	187 (53)	223	4 (2)	36 (22)	40	263

*Numbers in ( ) represent female student numbers. *"Gov't Sponsored" refers to Japanese government (Monbukagakusho) scholarships, and includes university recommendations, embassy recommendations, and domestic selections.
*"Non-regular" refers to Japanese studies students, educational research students, international exchange students, credited auditors, and researchers.
*"Private" includes foreign government scholarship students (Malaysia).
*Evacuated students from Ukraine have a status of residence "designated activities".

International Researcher Data

〈Foreign Researchers〉

No international students accepted in 2022

〈Part-Time Researchers〉

Actual 2022 school year admissions

Section Name	Country/Region	Number
Center for Regional Revitalization in Research and Education	Mongolia	1
	Italy	1
	Thailand	1
	Botswana	1
	Mozambique	1

〈Foreign Visiting Researchers〉

Actual 2022 school year admissions

Section Name	Country/Region	Number
Graduate School of International Resource Sciences	Thailand	2
	Philippines	1
	Mongolia	1
	Indonesia	1

Overseas Partner Universities

[Inter-University Agreements]

(73 universities in 35 countries/regions) As of 2023 May 1

Country/Region		University	Affiliate Since
Asia	India	Indian Institute of Technology Madras	2014 March 2
		Vellore Institute of Technology	2015 June 12
	Indonesia	Institut Teknologi Bandung	2012 July 12
		Trisakti University	2014 June 10
		Gadjah Mada University	2015 June 8
		Universitas Pertamina	2018 August 16
		Padjadjaran University	2019 March 26
	South Korea	Hanbat National University	2001 June 8
		Wonkwang University	2007 October 12
		Kangwon National University	2008 March 24
	Thailand	Chulalongkorn University	2012 November 28
		Suranaree University of Technology	2015 August 17
		Chiang Mai University	2015 December 10
	Taiwan	Lunghwa University of Science and Technology	2005 July 15
		National Taiwan University	2019 March 7
		National Changhua University of Education	2020 January 22
		National Cheng Kung University	2023 February 20
		Chang Jung Christian University	2023 March 3
	China	Heilongjiang University	1988 October 19
		Central South University	2004 August 24
		Liaoning Technical University	2005 April 20
		Dalian Minzu University	2005 June 27
		Lanzhou University	2005 August 1
		Jilin University	2007 February 6
		Northeastern University	2007 August 9
		Donghua University	2009 December 3
		Tongji Medical College Huazhong University of Science and Technology	2010 March 24
		Chang'an University	2010 November 18
		Beihua University	2012 November 20
		Jiaxing University	2014 November 12
		Northwest Nomal University	2019 December 12
	Philippines	University of the Philippines Diliman	2012 September 24
		University of the Philippines Manila	2013 February 4
		University of the Philippines Los Baños	2020 October 9
	Vietnam	Hanoi University of Science and Technology	2008 December 2
		University of Transport and Communications	2008 December 3
	Malaysia	University of Malaya	2013 November 20
	Myanmar	University of Yangon	2014 September 19
	Mongolia	Mongolian University of Science and Technology	2009 October 22
		Mongolian National University of Education	2010 July 23
		New Mongol Academy	2016 January 25
Africa	Kenya	Kenyatta University	2010 March 2
	Botswana	Botswana International University of Science and Technology	2009 October 23
		University of Botswana	2011 March 31
	Mozambique	Eduardo Mondlane University	2014 January 12
		Tete Polytechnic Institute for Higher Education	2017 March 23
	South Africa	University of the Witwatersrand	2014 September 1
	Zambia	University of Zambia	2020 November 20
Oceania	Australia	Griffith University	1994 June 29
		Curtin University	2013 August 1
	Papua New Guinea	Papua New Guinea University of Technology	2016 August 3
North America	U.S.A.	St. Cloud State University	1996 July 24
		University of Guam	2021 July 14
	Canada	Memorial University of Newfoundland	2013 June 17
South America	Chile	University of Santiago	2013 November 21
Middle East	Israel	University of Haifa	2010 September 24
	UAE	United Arab Emirates University	2018 November 6
Europe (including NIS countries)	Italy	University of Cagliari	2009 December 9
		University of Ferrara	2014 June 30
	Kazakhstan	D. Serikbayev East Kazakhstan State Technical University	2011 June 8
		Nazarbayev University	2021 May 11
	Kyrgyzstan	Kyrgyz State University of Geology, Mining and Natural Resources Development named after Academician U. Asanaliev	2020 November 20
	Sweden	Luleå University of Technology	2013 May 9
	Tajikistan	Mining-metallurgical Institute of Tajikistan	2021 March 12
	Germany	Freiberg University of Mining and Technology	2012 July 4
	Finland	Lapland University of Applied Sciences	2009 October 23
		Kajaani University of Applied Sciences	2021 March 24
	Belarus	Belarusian State Medical University	2004 July 26
	Poland	Cracow University of Economics	2018 September 12
	Romania	University of Bucharest	2010 September 28
	Bosnia and Herzegovina	Banja Luka University	2022 October 21
		University of East Sarajevo	2023 February 22
	Belgium	VIVES University of Applied Sciences	2022 December 7

[Inter-Departmental Agreements]

(38 Faculties, etc. in 22 countries/regions) As of 2023 May 1

Akita University Department	Country/Region		University/Department	Affiliate Since
Graduate School of International Resource Sciences	Asia	Indonesia	Faculty of Engineering, Hasanuddin University	2014 April 23
			Faculty of Geological Engineering, Universitas Padjadjaran	2018 October 1
			Faculty of Mineral Technology Universitas Pembangunan Nasional "Veteran"Yogyakarta	2020 October 20
		Thailand	Faculty of Science, Kasetsart University	2019 May 29
	Middle East	Sudan	Faculty of Earth Sciences Faculty of Marine Sciences and Fisheriese,Red Sea University	2016 December 10
	Europe (including NIS countries)	Serbia	Technical Faculty in Bor, University of Belgrade	2017 May 3
			National Institute of Chemistry, Technology and Metallurgy, University of Belgrade	2020 June 16
		Poland	The AGH University of Science and Technology	2018 October 1
		Uzbekistan	Uzbek-Japan Innovation Center of Youth (UJICY)	2020 November 6
			University of Geological Sciences of Uzbekistan/Uzbek-Japan Innovation Center of Youth (UJICY)	2021 December 14
			Navoi State Mining Institute	2021 December 22
		Tajikistan	Centre of Innovative Development of Science and New Technologies, National Academy of Sciences of Tajikistan	2021 November 15
	North America	Canada	Institut National de la recherche scientifique,Université du Québec	2019 September 18
			Faculty of Engineering, University of Alberta	2022 June 2
Faculty of Education and Human Studies	Asia	South Korea	Korean Language School of Sungkonghoe University	2019 January 28
Graduate School of Medicine	Asia	China	Beijing Hospital of the Ministry of Health	1995 November 14
		Singapore	Alice Lee Center for Nursing Studies, Yong Loo Lin School of Medicine, National University of Singapore	2016 March 7
		Thailand	School of Nursing Suranaree University of Technology	2019 May 10
	Europe	France	The Faculty of Medicine of Lille 2 University	2011 April 13
		Belgium	Bachelor in Nursing & Bachelor in Occupational Therapy VIVES University of Applied Sciences	2022 December 7
	North America	U.S.A.	John A. Burns School of Medicine, University of Hawaii	2016 August 4
			MD Anderson Cancer Center, University of Texas	2017 July 31
Akita University Hospital	Asia	China	The First Hospital of Lanzhou University	2014 June 12
Graduate School of Engineering Science	Asia	Taiwan	College of Engineering Minghsin University of Science and Technology	2010 April 12
		China	Department of Precision Instruments and Mechanology, Tsing Hua University	2007 March 1
			Department of Chemistry, Tsing Hua University	2008 January 17
			School of Materials Science and Engineering, Tongji University	2010 May 24
			Shanghai Key Lab of D&A for Metal Functional Materials,Tongji University	2010 May 24
		India	The CSIR-Indian Institute of Chemical Technology	2016 August 5
		Malaysia	Malaysia Japan International Institute of Technology, Universiti Teknologi Malaysia	2021 March 9
		Thailand	Thai-Nichi Institute of Technology	2022 November 30
	Africa	Tunisia	Faculty of Technology, University of Sfax	2003 December 18
	Oceania	New Zealand	Faculty of Design and Creative Technologies, Aukland University of Technology (AUT)	2012 November 27
	North America	U.S.A.	Montana College of Mineral Science and Technology	1982 June 24
	Europe	Hungary	Faculty of Informatics, University of Debrecen	2019 May 30
		Slovakia	Faculty of Mathematics, Physics and Informatics,Comenius University	2019 August 13
		Great Britain	Faculty of Engineering Science, Aston University	2022 May 11
Center for Regional Development	Asia	China	Shanghai Key Lab of D&A for Metal Functional Materials,Tongji University	2011 September 2

Administrator Data

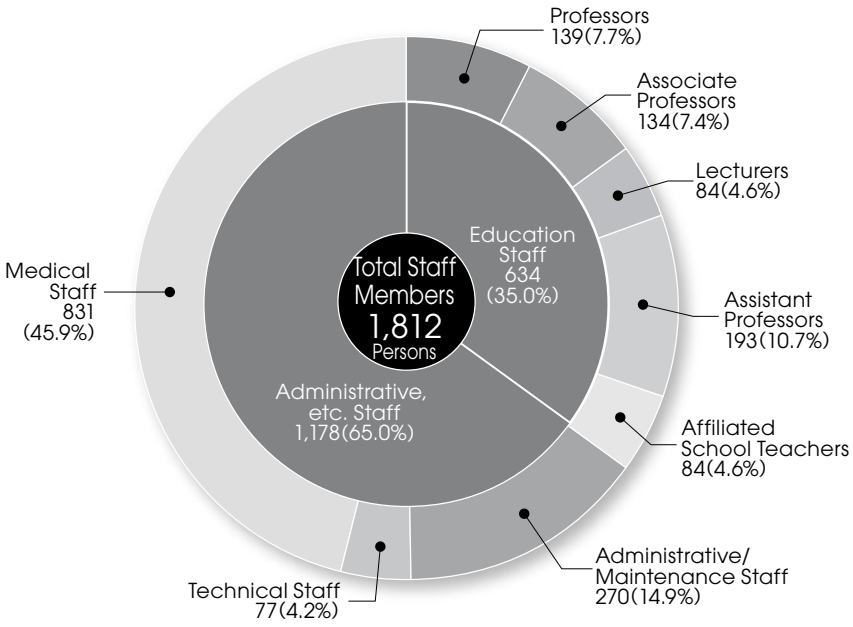
As of 2022 May 1

Category	University President	Director	Temporary	Total
University President	1			1
Director		6 (1)		6 (1)
Auditors			2 (1)	2 (1)
Total	1	6 (1)	2 (1)	9 (2)

*Numbers in ( ) represent part-time administrators as a portion of the total number.

Instructor Data

As of 2023 May 1



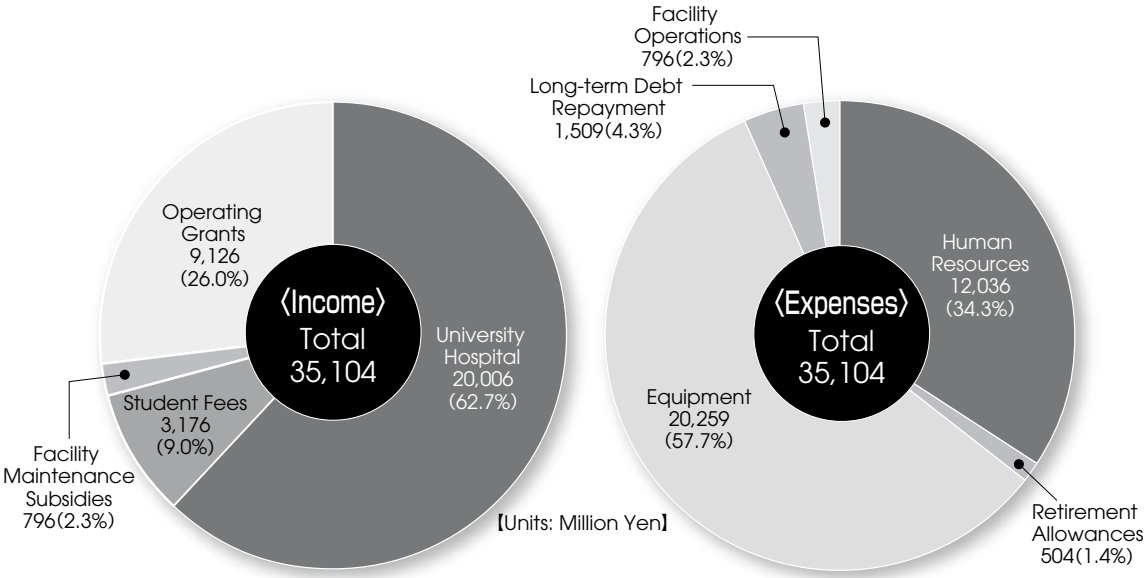
*Teaching staff includes specially appointed teachers, excludes charitable lecturers

All Staff by Position and Gender

As of 2023 May 1

Sex	Professors		Associate Professors		Lecturers		Assistant Professors		Affiliated School Teachers		Administrative/ Maintenance Staff		Technical Staff		Medical Staff	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Male	124	89.2	115	85.8	65	77.4	123	63.7	39	46.4	149	55.2	55	71.4	182	21.9
Female	15	10.8	19	14.2	19	22.6	70	36.3	45	53.6	121	44.8	22	28.6	649	78.1
Total	139		134		84		193		84		270		77		831	

Budget for FY2023



*The values in the graph are projected amounts for FY2022, and Income and Expenses totals do not include joint industry-university research fees and donation-related costs.

Accepted External Funding Status

Units: JPY 1000

Category	FY2017		FY2018		FY2019		FY2020		FY2021		FY2022	
	Donations	Amount	Donations	Amount	Donations	Amount	Donations	Amount	Donations	Amount	Donations	Amount
Collaborative Research with Private Sector, etc.	84	90,666	82	87,869	107	111,282	103	127,930	98	159,827	110	194,068
Contracted Research	119	395,970	134	337,461	128	311,814	124	303,545	144	319,673	143	321,555
Scholarship Donations	729	421,921	749	433,794	733	429,097	690	372,449	603	351,393	593	355,401
Charitable Lectures/ Departments	3	151,000	3	148,000	2	85,000	2	85,000	2	85,000	3	43,000
Total	935	1,059,557	968	1,007,124	970	937,193	919	888,924	847	915,893	849	914,024

*Contracted Research does not include investigational drug trials, pathological exams, or contracted trials. Scholarship donations do not include Akita University Education Research Support Fund or Future Development Fund.

Telephone Numbers and Addresses

〈Tegata Campus〉

Name	Telephone Number	Address
General Affairs Front Desk(General Information)	018-889-2207	1-1 Tegata Gakuen-machi, Akita City 010-8502 Japan
Institutional Research and Evaluation Center	018-889-2937	
University Library - Central Library	018-889-2273	
University Heath Center	018-889-2286	
Cooperative Research Center	018-889-2712	
Center for Information Technology and Management	018-889-2499	
Center for Regional Revitalization in Research and Education	018-889-3201	
Center for Regional Revitalization in Research and Education Building No. 1	018-889-2680	
Center for Regional Revitalization in Research and Education Building No. 2	018-889-3040	
International Center for Research and Education on Mineral and Energy Resources	018-889-2810	
Radioisotope Research Center	018-889-3006	
Joint Research Center for Electric Architecture	018-889-3003	
Research Center for Regional Disaster Prevention and Mitigation	018-889-2844	
Global Center for Higher Education	018-889-3191	
Secondary Education Collaboration Center; High School-University Connection Education Department	018-889-3045	
Secondary Education Collaboration Center Admissions Department; PR Department	018-889-2269	
Educational Profession Career Center	018-889-3205	
Student Support Center	018-889-2265	
Office for the Promotion of Gender Equality	018-889-2260	
Information Center	018-889-2931	
Graduate School of International Resource Sciences - Front Desk	018-889-2214	
Graduate School of International Resource Sciences - Mineral Industry Museum	018-889-2461	28-2 Osawa Tegata, Akita City 010-8502 Japan
Faculty of Education and Human Studies - Front Desk	018-889-2509	1-1 Tegata Gakuen-machi, Akita City 010-8502 Japan
Faculty of Education and Human Studies - Center for Educational Profession Enhancement	018-889-2700	
Graduate School of Engineering Science - Front Desk	018-889-2305	
Graduate School of Engineering Science - Research Center of Advanced Materials for Breakthrough Technology	018-889-2460	
Graduate School of Engineering Science - Center for Crossover Education	018-889-2806	

Tegata Campus

〈Hondo Campus〉

Name	Telephone Number	Address
Faculty of Medicine (General Information)	018-833-1166	1-1-1 Hondo, Akita City 010-8543 Japan
Faculty of Medicine - University Hospital (General Information)	018-834-1111	
Faculty of Medicine - University Hospital Medical Simulation Center	018-884-6427	
Bioscience Education and Research Support Center Molecular Medicine Laboratory	018-884-6191	
Bioscience Education and Research Support Center Animal Research Laboratory	018-884-6193	
Bioscience Education and Research Support Center Radioisotope Research Laboratory	018-884-6196	
Environmental Research Center	018-884-6192	
Advanced Research Center for Geriatric Medicine	018-884-6085	
Suicide Prevention Research Center	018-801-7173	
Center for Integrated Control, Epidemiology and Molecular Pathophysiology of Infectious Diseases	018-884-6008	
University Library - Medical Library	018-884-6052	

Hondo Campus

〈Hodono Campus〉

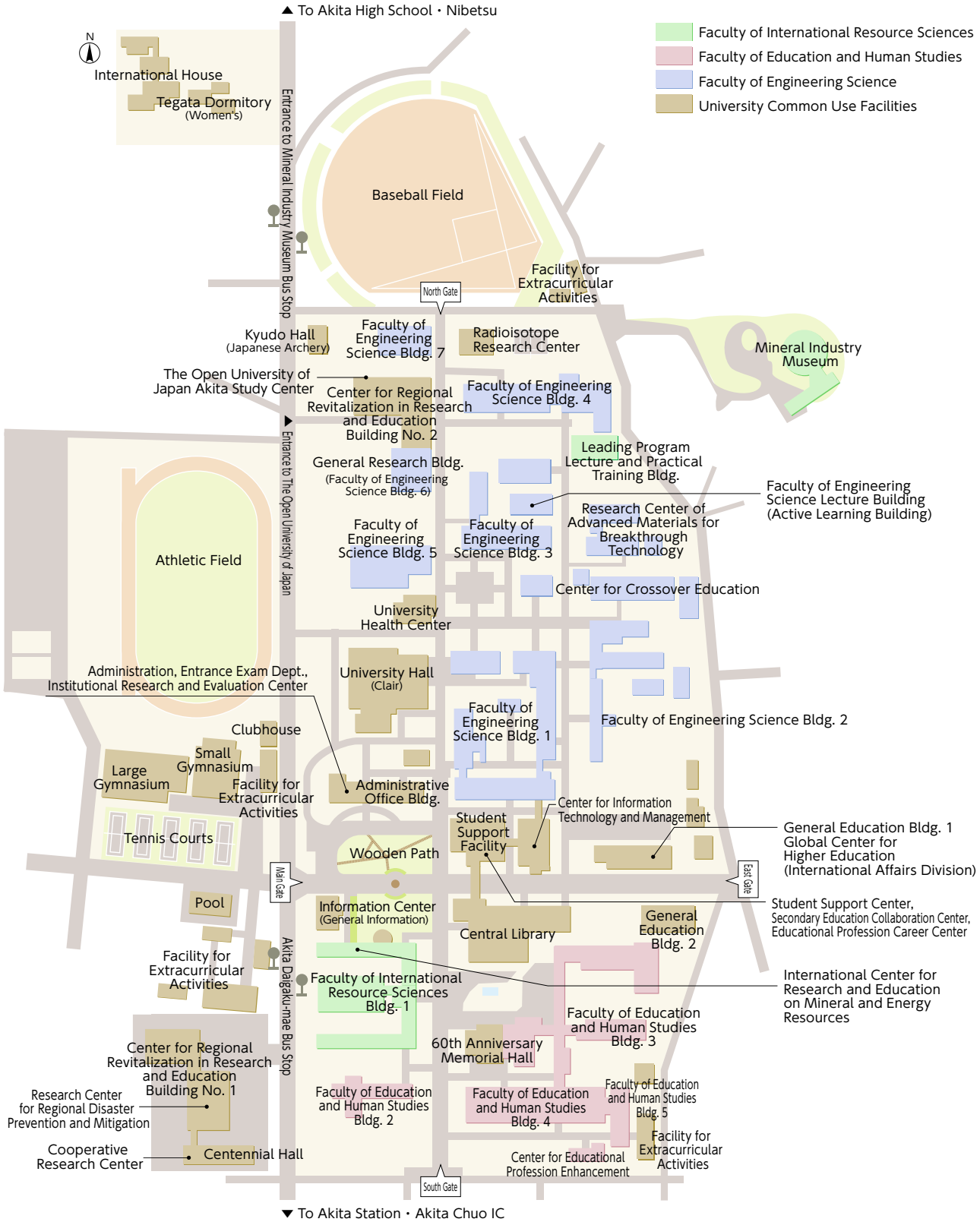
Name	Telephone Number	Address
Faculty of Education and Human Studies Kindergarten	018-862-2343	14-32 Hodonoharano-machi, Akita City 010-0904 Japan
Faculty of Education and Human Studies Elementary School	018-862-2593	13-1 Hodonoharano-machi, Akita City 010-0904 Japan
Faculty of Education and Human Studies Junior High School	018-862-3350	7-75 Hodonoharano-machi, Akita City 010-0904 Japan
Faculty of Education and Human Studies School for Special Needs Education	018-862-8583	

Hodono Campus

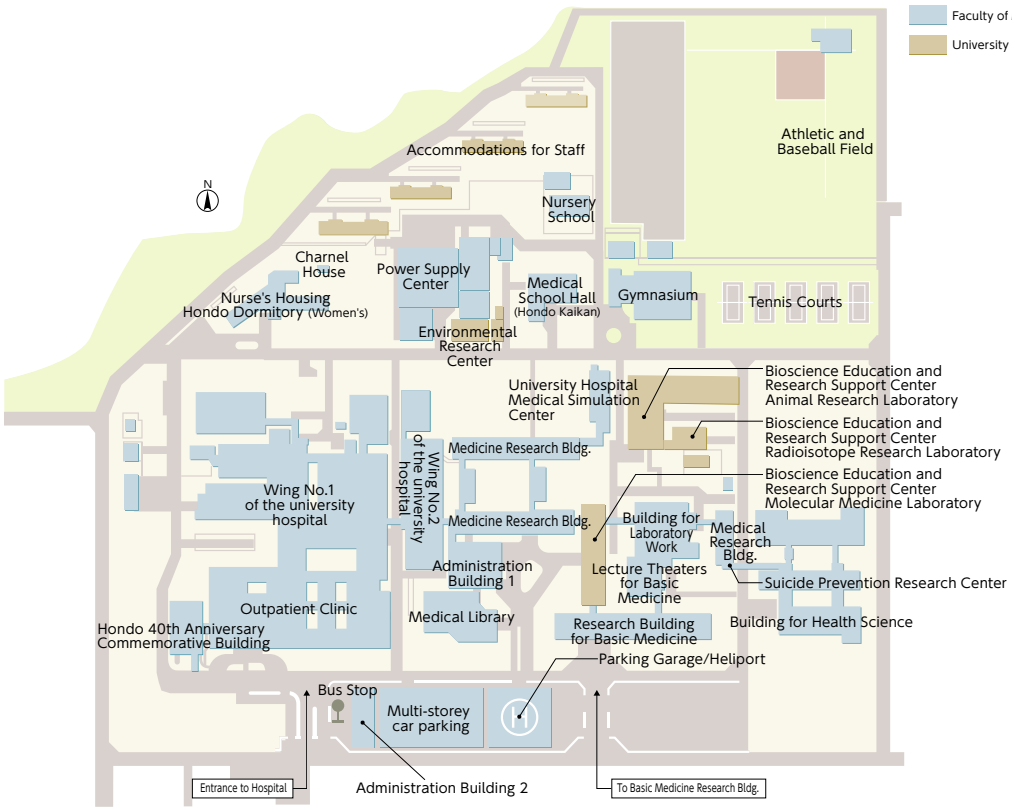
〈Other Facilities〉

Name	Telephone Number	Address
Nishiyachi Dormitory (Men's)	–	5-1 Tegata Nishiyachi, Akita City 010-0851 Japan
Tegata Dormitory (Women's)	–	5-50 Tegata Tanaka, Akita City 010-0862 Japan
Hondo Dormitory (Women's)	–	100-3 Nukazuka Yanagida, Akita City 010-0825 Japan
International House	–	5-50 Tegata Tanaka, Akita City 010-0862 Japan
International Student House	–	4 Takada Hiroomote, Akita City 010-0041 Japan
Yokote Branch School	0182-38-8304	13-1 Minami-cho, Yokote City 013-0045 Japan Yokote Municipal Auditorium
Kitaakita Branch School	090-7063-6489	19-1 Hanazono-cho, Kitaakita City 018-3312 Japan
Oga Namahage Branch School	0185-24-9126	66-1 Izumidai Funagawaminato Funagawa, Oga City 010-0595 Japan
Joint Research Center for Electric Architecture Evaluation Laboratory for Next Generation Motors	018-853-0785	209 yuwatanezawa tokusazawa, Akita City 010-1224 Japan
The Open University of Japan Akita Study Center	018-831-1997	1-1 Tegata Gakuen-machi, Akita City 010-8502 Japan

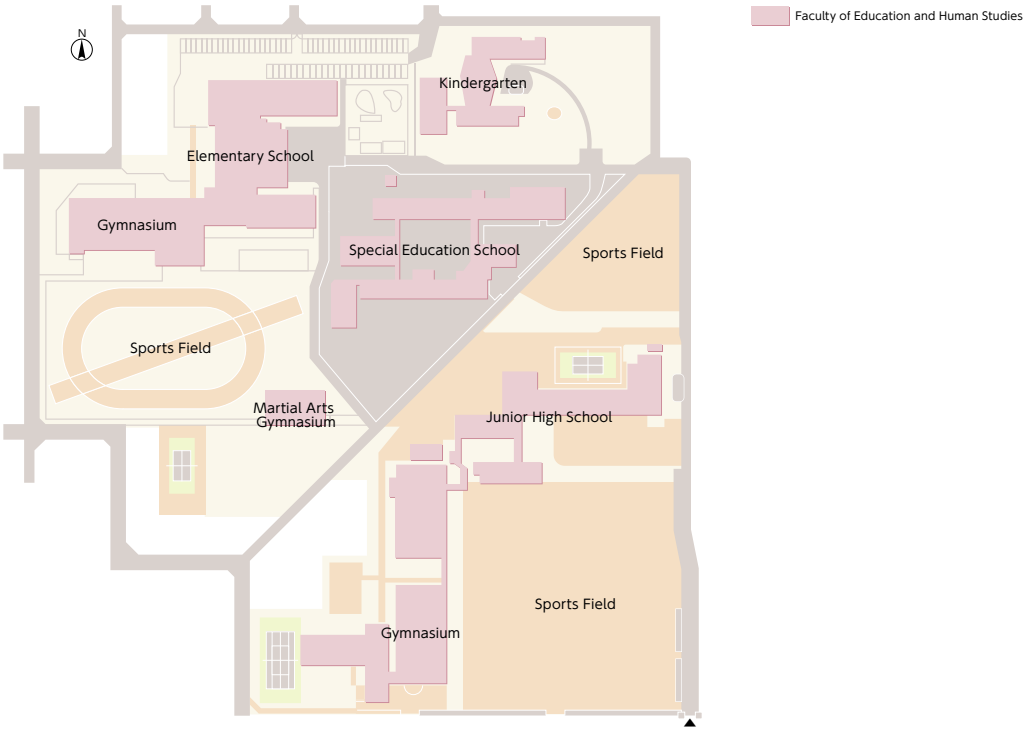
Tegata Campus Map



Hondo Campus Map



Hodono Campus Map



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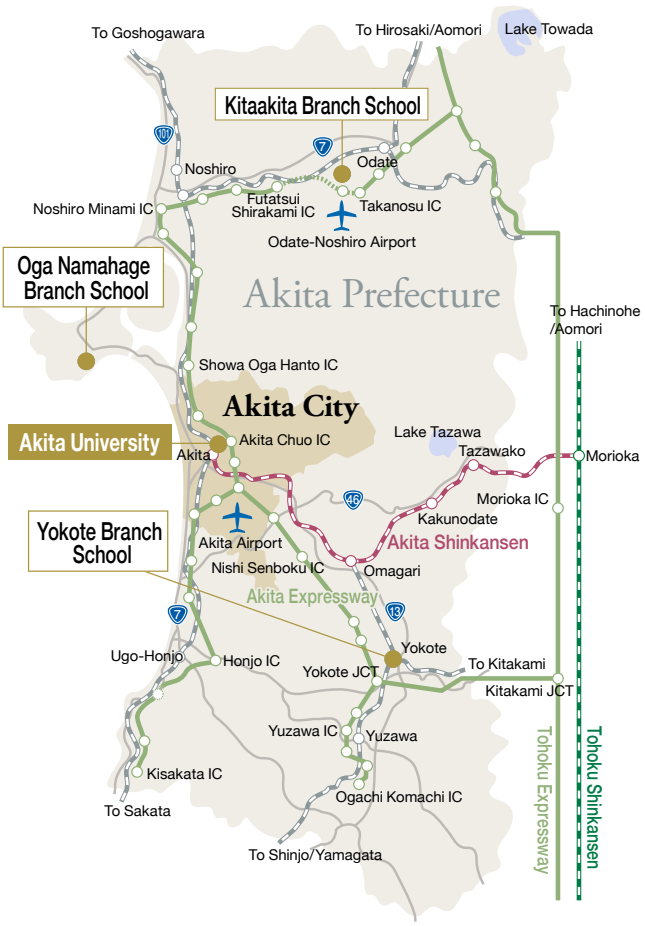

〈To Akita〉

As of 2023 April

From Tokyo	Haneda Airport to Akita Airport (1 hr. 5 min.)
	Shinkansen Komachi Line Tokyo Station to Akita Station (3 hr. 50 min.)
From Nagoya	Chubu International Airport to Akita Airport (Approx. 1 hr. 20 min.)
From Osaka	Osaka International Airport (Itami) to Akita Airport (Approx. 1 hr. 30 min.)
From Sapporo	New Chitose Airport to Akita Airport (Approx. 1 hr.)

Airport Bus from Akita Airport to Akita Station	Akita Airport to Akita Station West Gate (Approx 40 min.)
	Akita Airport to Akita Station East Gate (Approx 30 min.) *Runs only once/day

〈From Akita Station to Akita University〉

As of 2023 April

Destination	Bus Route (Akita Chuoukoutsu)	Akita Station Platform Location	Final Bus Stop (Travel Time)
Tegata Campus	Daigaku Byoin Line via Tegatayama	West Gate ⑫	Akita Daigaku-mae (Approx. 5-30 min.)
	Akita Onsen Line ＊Weekdays only	West Gate ⑫	
	Narayama Omawari Line ＊Weekdays only	West Gate ⑨	
	● Approx. 15 min. on foot from the East Gate of Akita Station		
Hondo Campus	Taihei Line	West Gate ⑪	Daigaku Byoin-mae (Approx. 10-20 min.)
	Akanuma Line		
	Matsuzaki Danchi Line		
	Daigaku Byoin Line via Tegatayama	West Gate ⑫	
	Akanuma Line	East Gate ②	
Hodono Campus	Izumi Yabase Kanjo Line ＊Weekdays only	West Gate ②	
	Kanda Asahino Line	West Gate ⑧	Haranomachi (Approx. 5-25 min.)
	Soegawa Line		
	Izumi Yabase Kanjo Line ＊Weekdays only		
	Narayama Omawari Line ＊Weekdays only	West Gate ⑨	

The Akita University logo incorporates the following three meanings:
1. The four rice leaf-shaped images (overlapping combination of light green and blue) depict the four faculties of Akita University.
2. The dark green line below the rice depicts several layers of “open-ness”: Akita University opening up and embracing the future, the opening of a book, and the notion of being open to the outside world. In addition, the line is open to the rice leaf designs above, and acts as a support.
3. The combination of these designs depicts Akita University’s commitment to offering solutions to the world’s problems and contributing to regional development. At the same time, it invokes Akita University’s aspirations to evolve and move upwards in the world.

Akita University Outline 2023 Edition

[Editing and Publication]

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