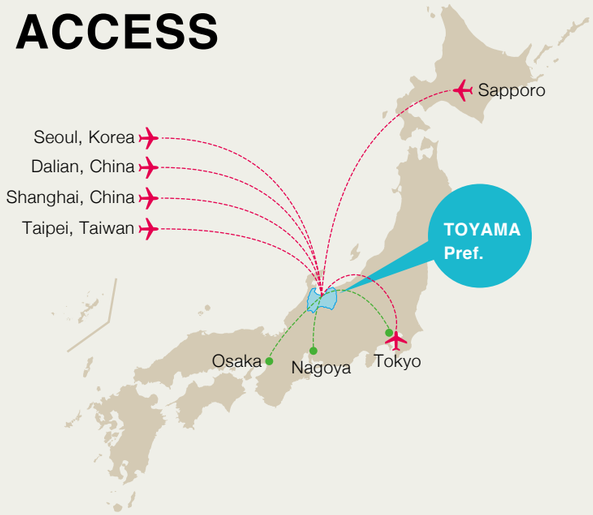
ACCESS

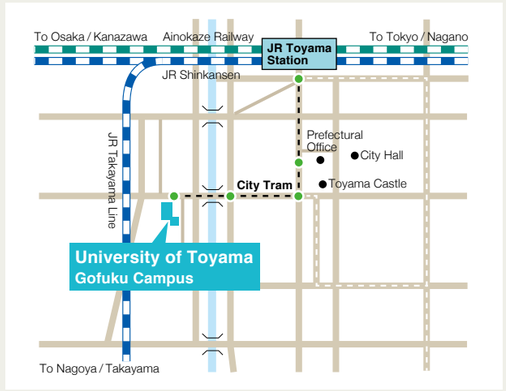


Airplane

Tokyo	1h	Toyama Airport
Sapporo	1h 30min	
Seoul, Korea	1h 50min	
Dalian, China	2h 15min	
Shanghai, China	2h 20min	
Taipei, Taiwan	2h 55min	

Train

Tokyo	2h 8min	JR Toyama Station	15min City Tram	University of Toyama Gofuku Campus
Nagoya	3h 30min			
Osaka	3h 10min			



University of Toyama Official Channel

YouTube **Featured Videos of the Faculty of Engineering**

https://www.youtube.com/user/tomidaimovie

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TEL : +81-76-445-6698
http://www.u-toyama.ac.jp/en/index.html

UNIVERSITY OF TOYAMA

Faculty of ENGINEERING

Departments

- Electric and Electronic Engineering
- Intellectual Information Engineering
- Mechanical and Intellectual Systems Engineering
- Life Sciences and Bioengineering
- Environmental Applied Chemistry
- Materials Science and Engineering

Gofuku campus

University of Toyama

The University of Toyama is located in the cities of Toyama and Takaoka in Toyama Prefecture, Japan. Surrounded by spectacular Northern Japan Alps and the Sea of Japan, Toyama is blessed with a beautiful natural environment. The university was formed in October 2005 by combining 3 former national universities; Toyama University (founded in 1949), Toyama Medical and Pharmaceutical University (founded in 1975) and Takaoka National College (founded in 1983).

Currently, the University of Toyama is comprised of 8 faculties, 6 graduate schools, laboratories, a hospital, libraries and 18 institutes. There are 3 campuses, Gofuku, Sugitani and Takaoka, and Gofuku campus is home to our 5 facilities and most of our departments. Approximately 9,300 students (including 314 international students) are studying in the university.

Philosophy

The University of Toyama will uphold a global standard of education and research integrated with life sciences, natural sciences and arts, and social sciences open to the regional community and to the world. The university will nurture our students with a strong sense of mission and creativity based on the respect for human dignity. We will make contributions to the local, regional and international community, and will promote the harmonious development of science, art and culture, society and the natural environment.

Faculty of Engineering

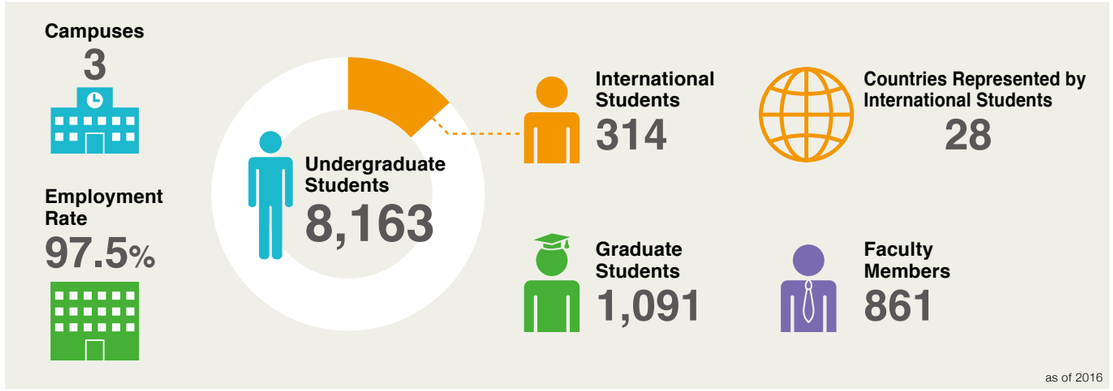
Cafeteria

Structure of the University

University of Toyama

- **Undergraduate**
  - Faculty of Humanities
  - Faculty of Human Development
  - Faculty of Economics
  - Faculty of Science
  - Faculty of Medicine
  - Faculty of Pharmacy and Pharmaceutical Sciences
  - Faculty of Engineering
    - Electric and Electronic Engineering(P.7)
    - Intellectual Information Engineering(P.8)
    - Mechanical and Intellectual Systems Engineering(P.9)
    - Life Sciences and Bioengineering(P.10)
    - Environmental Applied Chemistry(P.11)
    - Materials Science and Engineering(P.12)
  - Faculty of Art and Design
- **Graduate**
  - Graduate School of Humanities
  - Graduate School of Human Development
  - Graduate School of Economics
  - Graduate School of Art and Design
  - Graduate School of Innovative Life Science
  - Graduate School of Medicine and Pharmaceutical Sciences for Education
  - Graduate School of Science and Engineering for Education
- **Institute of Natural Medicine**
- **University Hospital**
- **University Library**
- **Center for International Education and Research**
- **Center for Health Care and Human Sciences**

Facts and Figures



Faculty of ENGINEERING

Educating creative and technically strong engineers and researchers for next generation

We believe that the creation of new intellect considering the interdisciplinary fusion of engineering and other fields is essential to resolve global issues such as global warming, declining birthrate and aging population , resource depletion, and natural disaster and plague. Today, engineering is required to cooperate with different fields such as life science, society science, or art and culture to stimulate and assist societies in their development towards sustainability by improving medical technology, establishing recycling-based and low-carbon society, and realizing safe and secure society. For students who aim for engineering, we expect you not only to master the basic knowledge of mathematics, physics, or chemistry, but also to acquire problem-solving skills to seek out and resolve issues facing our society, and skills of sensitivity, inventiveness and creativity to conduct high-quality and high-valued “monodzukuri”. Our goal is to educate and lead students to become “monodzukuri meister” who can play creative and innovative roles in the local and global society.
The Faculty of Engineering is dedicated to providing you our new educational method influenced by knowledge creation and positive learning environment as follows;

- Practice of Advanced-Active-Learning and active use of ICT equipment
- Communication space to create a group
- Collaboration space to work together with others

What is engineering?

Engineering has the power to transform lives. It’s an academic study and human resource development for “tomorrow’s monodzukuri”.

monodzukuri

The word *monodzukuri* is generally used in Japan to describe technology and manufacturing processes. Rather than simply meaning “manufacturing” however, *monodzukuri* has a deeper meaning, incorporating intangible qualities such as creativeness, craftsmanship and dedication to continuous improvement.

Admission Policy

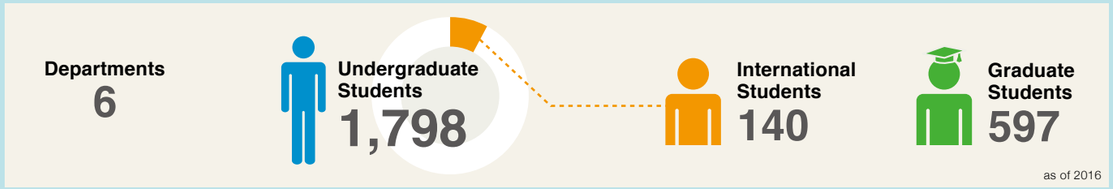
Our Mission

The Faculty of Engineering emphasizes the importance of creative education for practical application, environmental education for sustainability, language and information-related education for the global community as well as the acquisition of general and specialized knowledge and skills of engineering. Our mission is to educate engineers who possess not only deep technical excellence, but the abilities and skills to become tomorrow’s technology leaders.

Prospective students

The Faculty of Engineering are seeking students with the following qualification.

- Individuals who have basics of scholastic ability to learn engineering, skills of logical thinking, understanding, creativity and expression.
- Individuals who can find own objectives and work systematically to pursue them.
- Individuals who are interested in the relation between human life and natural environment or social environment, and who have the awareness of these problems.
- Individuals who have desire to contribute to the local and international community as an engineer or a researcher.



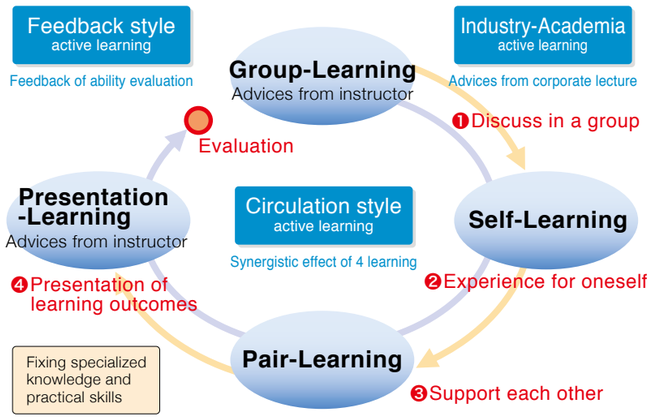
Our Strengths

“Education and Research Building” The Base of Active Learning

Education and Research Building was completed in 2015, and recognized as “the base of active learning” which engages variety of innovation creative activities. There are rooms for project planning, creation, and innovation research which allow students to work on various educational research projects. Students can inspire each other by discussing and presenting own ideas.

Characteristics of Our Active Learning

- Circulation style by synergistic effect of 4 leaning methods
- Fusion of theory and practice by industry-academia partnership
- Feedback style combined with quality assurance



Place for students to perform various activities in which they learn, think and act

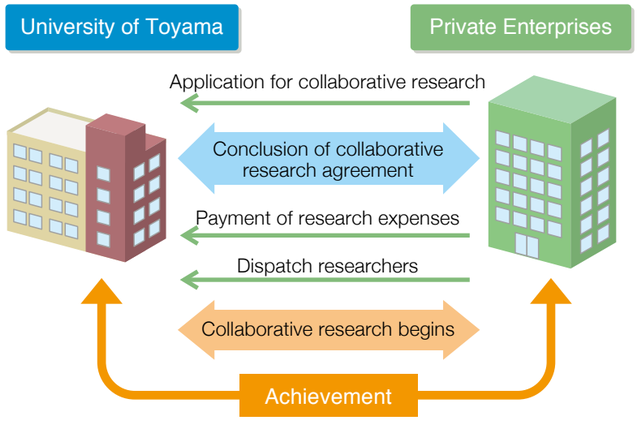
To promote our creative monodzukuri education, we’re required to shift the style of the class from passive learning to active learning. Students learn more when they participate in the process of learning.

Our Strengths

Learn from Community Involvement

Collaborative research

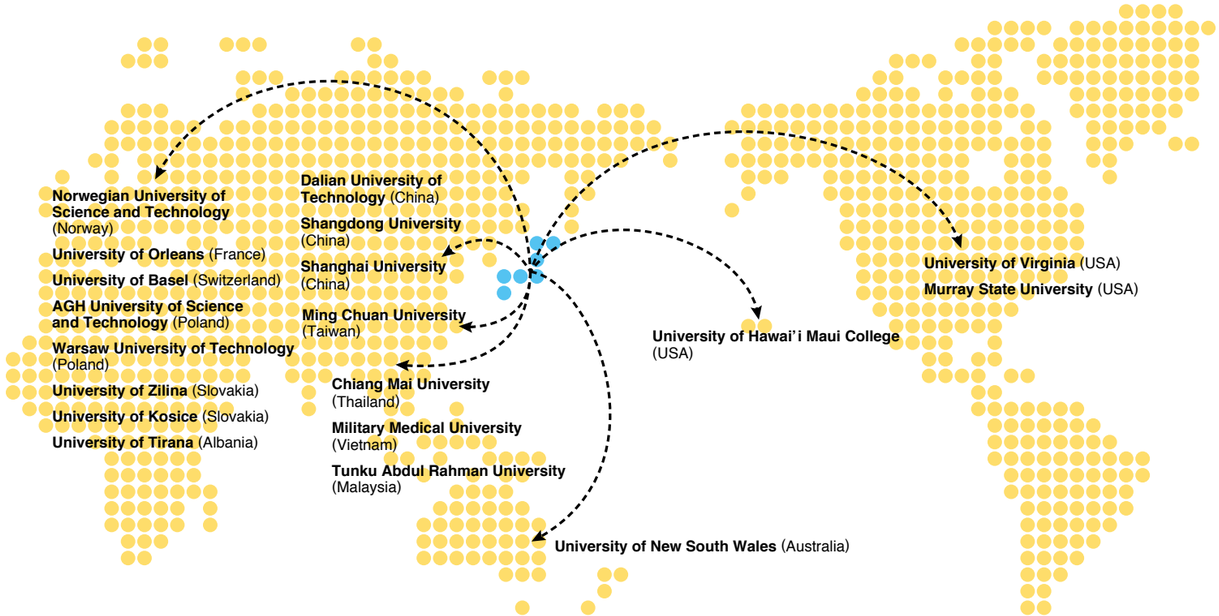
The Faculty of Engineering promotes collaboration with private enterprises and local communities through technological consultation, open research data, collaborative research and contracted research. Active collaborative research with monodzukuri companies which represents Toyama has been carried out and achieved good results for society.



Our Strengths

Various Activities of International Exchange are Underway

The Faculty of Engineering has partnerships with many universities and academic institutions around the world, and is promoting constructive exchanges of students, researchers, and academic information. Currently, there are more than 300 international students studying at our university.



Total 122 universities and institutions in 30 countries

Cultural Exchange with students of Chiang Mai University in Thailand

International conference ICPMAT at AGH University in Poland

Conclusion of Research and Education Collaboration Agreement at The Royal Norwegian Embassy

Center for International Education and Research (CIER)

The Center for International Education and Research is dedicated to advising and supporting international students and Japanese students. The center aims to develop human resources who will take up active roles in the global society.

Support services for students include:

- Acceptance of and support for international students
- Promotion of exchange between international students and Japanese students
- Japanese language and cultural education for international students
- Vocational and career support for international students
- Counselling and social activities for international students

Please refer to the website below for more information regarding to the CIER.
http://www.ier.u-toyama.ac.jp/english/aboutus/index.html

International Students School Trip

The Faculty of Engineering organizes trips which offer great opportunities for international students to see some of the Japan's famous and historical places and attractions.

Picture from 2015 school trip to Kyoto.

Student Voices

Mugunthan Malai Rajan (From Malaysia)

Department of Mechanical and Intellectual Systems Engineering

I came to Japan as a Malaysia International Scholarship student 5 years ago. I first entered engineering technical college and learned Japanese and the basic of engineering. I decided to transfer to the 3rd year of the University since I wanted to deepen my understanding of my major. I currently belong to a laboratory and pursue my research. My supervisor and other researchers are very well experienced and highly supportive. They always help, support, and encourage me in my research and also my life in Japan. Studying at the University of Toyama has given me numerous opportunities to grow in both the intellectual and spiritual sense.

PĀN Yáng (From China)

Department of Materials Science and Engineering

I learned Japanese in China, and found about the University of Toyama which is actively conducting research of metals. I currently study on metal joint. Metal has various characteristics just like human being. It is indispensable technology to join metals utilizing these characteristics and without using any adhesives for construction and machinery fields. I have failed lots of times, but I will keep trying and would like to create a new technology.

1 Department of Electric and Electronic Engineering

Overview

Our department is composed of three divisions: (1) Electric Systems Engineering; (2)Communication and Control Engineering and (3) Electronic Materials and Device Engineering. These divisions offer systematic education and creative researche on electric and electronic engineering, for example, in the area of generation and control of the electric energy, communication and control engineering, development of new electronic materials and devices, communication and broadcasting, assistive robotics for aging society, nano and bioelectronics and computer simulation. Our mission is to bring up talented researchers and engineers who have fundamental knowledge and skills related to Electric and Electronic Engineering and can provide leadership and service to advanced information society in the future.

Career paths and job opportunities

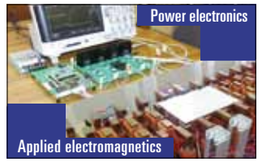
- Electric power related industry
- Machinery industry
- Information and communication industry
- Electronics industry

Research Laboratories

01 Electric Power System Engineering

- High voltage pulsed power technology
- High power pulsed particle beam and Dense plasma
- Observation of lightning and Related phenomena

02 Energy Conversion Engineering



- Applied electromagnetic machinery, Magnetic levitation
- Power electronics, Renewable energy utilization
- Wireless power transfer, Induction heating

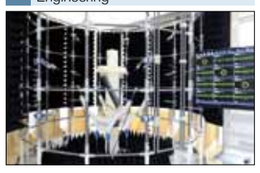
03 Intelligent Robotics Engineering

- Intelligent information robotics
- Biomedical robotics
- Motion control of mobile robot

04 Wave Communication Engineering

- Ultra-realistic sound communication
- Plasmonic electromagnetic wave engineering

05 Communication System Engineering



- Mobile communication system
- Body area network
- Millimeter-wave and terahertz engineering

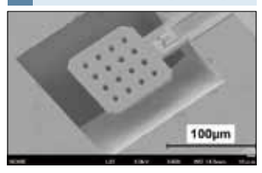
06 System Control Engineering

- Gerontechnology
- Biomedical engineering
- Neurophysiology

07 Sensor Systems Engineering

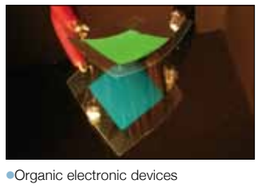
- Biosensors
- Bioimaging
- Biochips

08 Nanoelectronics Engineering



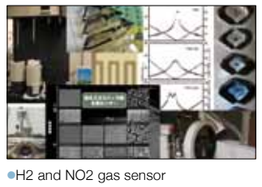
- Ultrahigh frequency devices and Integrated circuits
- MEMS
- Growth of semiconductor nanostructures

09 Electron Device Engineering



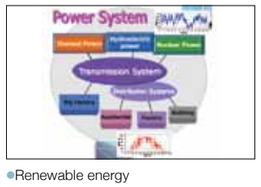
- Organic electronic devices
- Display devices
- Flexible devices

10 Basic Materials Engineering



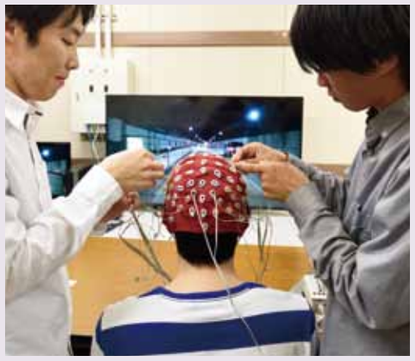
- H2 and NO2 gas sensor
- Thin film electronic materials
- Ferroelectric crystals

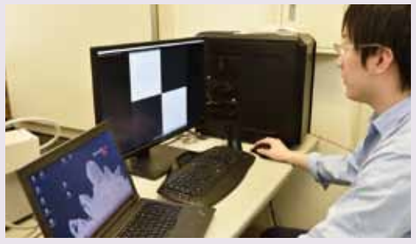
11 Intelligent Power System Engineering



- Renewable energy
- Stable operation of power system
- Power flow calculation

2 Department of Intellectual Information Engineering





Overview

With the rapid development of the technological innovations in information engineering, the Department of Intellectual Information Engineering of the University of Toyama is dedicated to educating and equipping the students with the abilities to adapt to the changes in the industry. In addition to software, students will be able to deepen their understanding and broaden their knowledge of hardware. A total of 9 laboratories have been built in order to promote the researches which connect information, industries and medicine. The labs include Computer Software System, Pattern Recognition, Media Information and Communication Technology, Simulation Engineering, Visual and Kansei Information Processing, Medical Information Sensing, Information Communication Networks, Human Information Processing, and Information Theory and Coding. Our ultimate objective is to educate and train leading engineers and researchers in the next ten and twenty years.

Career paths and job opportunities

- Information and communication industry
- Software system development industry
- Information appliances industry
- System solutions industry

Research Laboratories

01 Computer Software System

- Signal processing
- Machine learning
- Brain science

02 Pattern Recognition

- Classifier design
- Object recognition

03 Media Information and Communication Technology(MICT)

- Image quality assessment using biological information(EEG, NIRS, etc.)
- Assessment methodology for Quality of Experience(QoE)
- Intelligent transport systems and its related image analysis

04 Simulation Engineering

- Numerical simulations
- Edutainment
- Medical applications

05 Visual and Kansei Information Processing

- Visual engineering
- Kansei enginnering
- Landscape evaluation

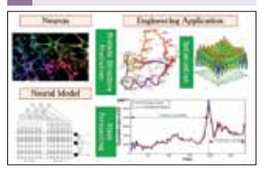
06 Medical Information Sensing

- Medical imaging
- Biomedical measurement
- Functional bioinformatics

07 Information Communication Networks

- M-array QAM (Quadrature Amplitude Modulation)
- Television broadcasting system
- Optical communication system

08 Human Information Processing

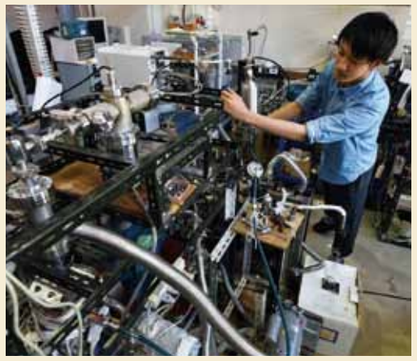


- Brain-like computer
- Neural network
- Computational intelligence

09 Information Theory and Coding

- Error correcting codes
- Smart sensing strategy
- Large deviations

3 Department of Mechanical and Intellectual Systems Engineering



Overview

We offer distinctive education programs aiming to cultivate human resources who can contribute to development of monodzukuri with comprehensive knowledge of machinery in general. The advanced researches are promoted in the following fields. (1) Studies of machine and structure about design production, studies of the material and processing technique, (2) Studies on the clarification of heat and fluid phenomena and its utilization which lead to the solution of energy and environmental problem, (3) Studies aiming at the fusion of the machine, the control technology and the information processing including the measurement and the simulation using a robot, a supersonic wave, and the light. The education and the study of our department corresponding to these social needs are authorized to be in the international standard by Japan Accreditation Board for Engineering Education (JABEE).

Career paths and job opportunities

- Electric power related industry
- Machinery industry
- Automotive industry
- Metal manufacturing and processing industry
- Railway industry

Research Laboratories

01 Solid Mechanics

- Fatigue and tribology
- Analysis of fracture mechanics
- Scanning hall probe microscopy

02 Strength and Fracture of Engineering Materials

- Fatigue design
- High strength steel
- Superconducting wire

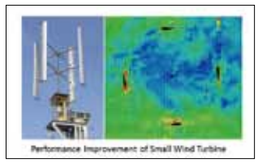
03 Advanced Materials and Forming

- New material creation and Structural control
- Plastic deformation analysis
- Optimum design of machinning tools

04 Thermal Engineering

- Internal combustion engine
- Heat transfer
- Effective utilization of energy

05 Fluid Mechanics



- Highly efficent energy conversion
- Aerodynamic noise reduction
- Natural energy

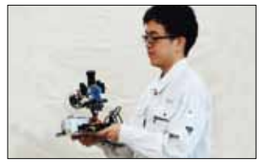
06 Intelligent Mechanics

- Dynamic analysis
- Dynamic analysis of flexible structure
- Motion control of a multi-joint robot

07 Control Systems Engineering

- Robotics
- Human-machine system
- Computer vision

08 Mechanical Information and Instrumentation



- Position measurement by image processing
- Measurement robot
- Microsensor

09 Applied Mechno-Informatics

- Navier-stokes computational fluid dynamics
- Lattice boltzmann method
- Molecular dynamics method

4 Department of Life Sciences and Bioengineering

Overview

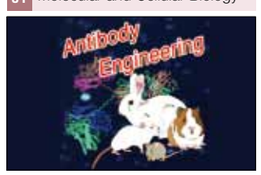
If you are interested in life sciences as well as engineering, Bioengineering is the best choice for you. Bioengineering, the intersection of biology and engineering, is one of the fastest growing fields in the 21st century with a significant impact in our society. Now, bioengineers develop various innovative new engineering solutions for healthcare problems through the knowledge of living systems. Department of Life Sciences and Bioengineering aims to foster scientists and engineers who contribute to human society through multidisciplinary activities that integrate biological phenomena with advanced knowledge in engineering.

Career paths and job opportunities

- Pharmaceutical industry
- Medical and assistive technology industry
- Food industry
- Cosmetic industry
- Environment-related industry

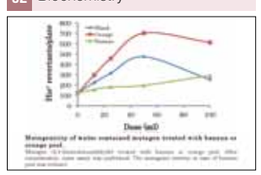
Research Laboratories

01 Molecular and Cellular Biology



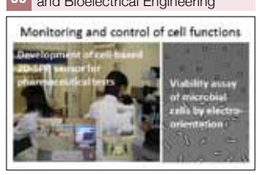
- Therapeutic antibody
- Genetic engineering
- Cancer

02 Biochemistry



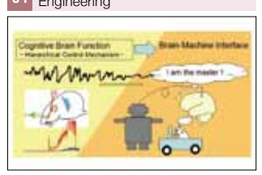
- Metabolism
- Enzyme
- Natural products chemistry

03 Bioelectronics and Bioelectrical Engineering



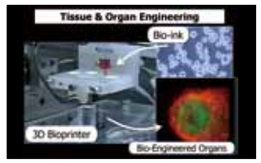
- Medical diagnostics and pharmaceutical tests
- Biosensors
- Cell manipulation

04 Brain and Neural Systems Engineering



- Behavioral neural science
- Brain function
- Learning and memory

05 Tissue Engineering and Regenerative Medicine

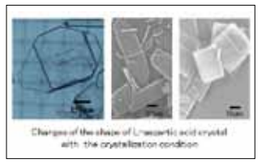


- Tissue engineering
- Biomedical engineering
- Organ engineering

06 Biomaterial Design and Engineering

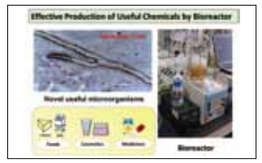
- Biomaterial
- Medical instruments
- Self-organizing

07 Biochemical Engineering



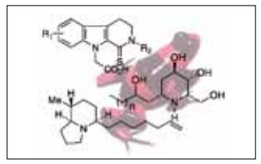
- Separation engineering
- Crystallization
- Dispersion system engineering

08 Biochemical Reaction Engineering



- Bioreaction
- Metabolic engineering
- Phenotypic screening

09 Biofunctional Molecular Chemistry



- Organic synthesis
- Development of new drugs

10 Pharmacology

- Chronic pain
- Neuropsychiatric disorders
- Drug discovery

11 Process Systems Engineering

- Systems analysis and design
- Systems control

12 Protein System Engineering

- Proteasome
- Protein degradation
- Protein science

5 Department of Environmental Applied Chemistry

Overview

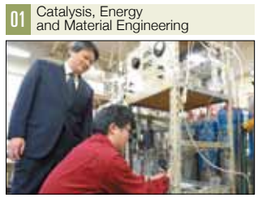
Chemistry covers fundamental aspects of modern science and plays an important role in the all fields related to engineering and material science. Department of Environmental Applied Chemistry provides outstanding resources for research, an innovative education, and career development for building our sustainable society. Faculty members will enable students to achieve their educational and professional objectives. Our department includes the highly interdisciplinary nature of chemistry and modern scientific research. This is the basis for providing classes stimulating to students in a myriad of disciplines.

Career paths and job opportunities

- Chemical manufacturing industry
- Pharmaceutical industry
- Food industry
- Cosmetic industry
- Environment-related industry

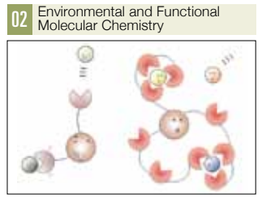
Research Laboratories

01 Catalysis, Energy and Material Engineering



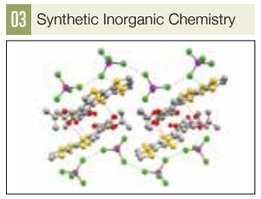
- Environmental protection and new energy
- Novel catayst
- Supercritical fluid, Plasma, High-pressure reaction

02 Environmental and Functional Molecular Chemistry



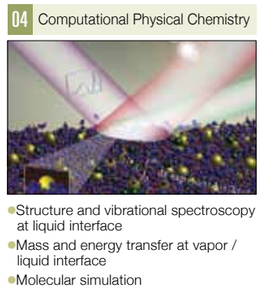
- Synthesis of functional material
- Separation of element
- Material surface modification

03 Synthetic Inorganic Chemistry



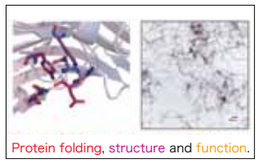
- Functionalized metal complexes
- Organic-inorganic hybrid molecular solids

04 Computational Physical Chemistry



- Structure and vibrational spectroscopy at liquid interface
- Mass and energy transfer at vapor / liquid interface
- Molecular simulation

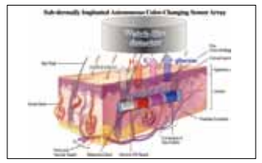
05 Biomolecular Chemistry



Protein folding, structure and function.

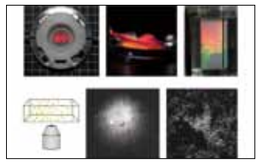
- Protein engineering
- Biophysics
- Protein folding diseases

06 Environmental Analytical Chemistry



- Optical sensor
- Design and synthesis of receptors / functional dyes
- Continuous monitoring of blood glucose and steroid hormone

07 Colloid and Interface Chemistry



- Characterization of interface
- Investigation of dispersed state
- Design of meso-scale materials

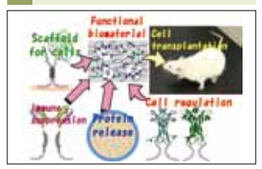
08 Synthetic Organic Chemistry

- Organometallic chemistry
- Natural product synthesis
- Synthetic and medicinal chemistry

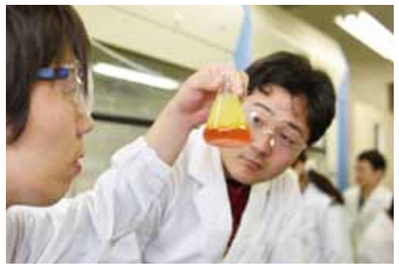
09 Environmental Chemical Engineering

- Green chemical process
- Porous adsorption and absorption materials
- Sustainable energy

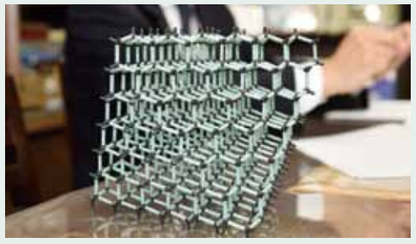
10 Biomaterial Design and Engneering



- Biomaterials, Regenerative medicine
- Biopolymers
- Protein and peptide engineering



6 Department of Materials Science and Engineering



Overview

This department conducts education and research focusing on metals and metallurgy, which is only available here in Hokuriku area. Students acquire scientific and engineering skills to develop new functional materials using nanotechnology, proper manufacturing processes considering the natural environment, and metallurgical processing technology for social safety and security. Students also learn how to discover study tasks and draft solutions from a global view point, and make and accomplish a research plan on their own initiatives. Japan Accreditation Board for Engineering Education(JABEE) has approved that these learning objectives and educational programs of this department meet social / industrial requirements on an international standard.

Career paths and job opportunities

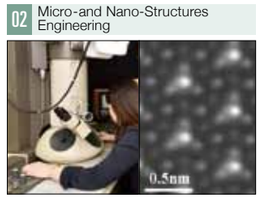
- Metal manufacturing and processing industry
- Machinery industry
- Automotive industry
- Semiconducting electronic parts and materials development industry
- Chemical products development industry

Research Laboratories

01 Advanced Casting and Solidification

- Casting, Solidification, Aluminum, Magnesium, Die-casting

02 Micro-and Nano-Structures Engineering

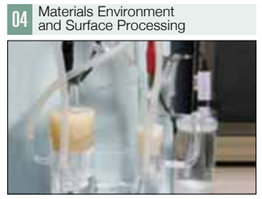


- Light metals, Nano-microstrcture in materials, Heat treatment, Phase transformation
- Composite materials, Electron microscopy, Crystal structure, Simulation

03 Functional Materials Engineering

- Ceramic and metal materials, Thin films, Functional materials
- Investigation of electrical and thermal properties

04 Materials Environment and Surface Processing



- Corrosion science, Material surface research, Electrochemical measurement, Corrosion rate, Passivation film

05 Solid State Engineering

- Superconducting, Thermoelectric, Magnetic materials
- Investigation of magnetic and thermal properties

06 Materials Process Engineering

- Powder, Mass and heat transfer, Convection, Diffusion, Visualization, Welding, Numerical simulation, Interfaces

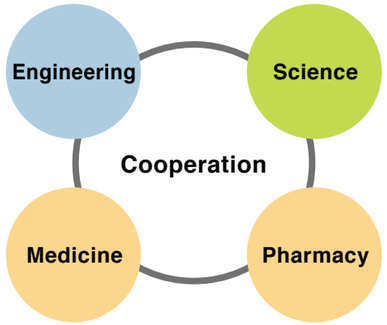
Close-up

Activities for training Global Material Engineers

The department of Materials Science and Engineering invites multinational research groups of material fields and form an international research base to promote global advanced researches utilizing the regional characteristics. At the Graduate School of Science and Engineering for Education, we also work on providing educational programs in English and developing internationally accepted human resources. As part of it, we annually hold ‘International Conference on the Physical Properties and Application of Advanced Material’ and ‘Forum of Center for Advanced Materials’ with joint research institutions of the United States, Norway, Poland, Australia, Czech Republic, Thailand and China. We also have an international partnership and the exchange of students and lectures with Norwegian University of Science and Technology by Norwegian-Japanese Aluminum alloy Research and Education Collaboration.

Graduate School

In recent years, many issues are difficult to resolve just by studies of individual field such as medicine, pharmacy, science and engineering due to the development of advanced technology. In order to cope with this, we are required to cultivate human resouces who are capable of collaborating each experise and papproaching to compound fields from comprehensive point of view.



Step1 Deepen your expertise

Graduate School of Science and Engineering for Education

Master's Program

・Engineering : 2 years
・Science : 2 years

In master's program of science and engineering, we cultivate sutdents who can become highly soecialized professionals with expertise in structured subjects and the ability to identify issues and work toward their resolution.

Majors

Engineering Division

・Electric and Electronic Engineering
・Intellectual Information Engineering
・Mechanical and Intellectual Systems Engineering
・Life Sciences and Bioengineering
・Environmental Applied Chemistry
・Materials Science and Engineering

Science Division

・Mathematics
・Physics
・Chemistry
・Biology
・Earth Science
・Environmental Biology and Chemistry

Optional Course

Pharma Medical Engineering(PME) Program

Students learn the basics of medicine, nursing science, and pharmacy in addition to the studies of own major. PME course is a program which aims to create career opportunities in pharmaceutical engineering (development and manufacturing of products, processes, and components in the pharmaceuticals industry) or production department of pharmaceutical company by acquiring extensive knowledge.

Choice

Step2 Positive integration of Engineering and Science

Graduate School of Science and Engineering for Education

Ph.D. Program

・3 years

In the doctoral program, we educate students to become a highly specialized professional who can cope with the advancement of science and technology such as researchers with innovative research capabilities and highly specialized professionals with skills to become a core developer in regional industries.

Majors

・Advanced Mathematics and Human Mechanisms
・Nano and Functional Material Sciences
・New Energy Science
・Earth, Life and Environmental Science

Step2 Combined studies of Engineering, Science, Medicine, and Pharmacy

Graduate School of Innovative Life Science

Ph.D. Program

・Engineering, Science, Pharmacy : 3 years
・Medicine : 4 years

This course aims to cultivate human resources who can contribute toward society by multidisciplinary approach in the fields of advanced life science engineering, advanced medical care and welfare for aging society, and life environment.

How to Apply

University of Toyama welcomes students from across the country and all over the world.

■ Eligibility

Each department has separate admission requirements. The following is a general overview of the eligibility requirements for bachelor's degree programs. For full details, please refer to our website and contact our faculty.
Applicants who meet the following criteria may apply for entrance
・Those who do not have Japanese nationality
・Those who have completed, or are expected to complete 12-year formal school education mainly outside of Japan.
・Those who have taken 'Examination for Japanese University Admission for International Students(EJU) conducted by the Association of International Education, Japan.
・Those who have, or are expected to obtain 'College Student' visa to enter and reside in Japan.

■ Undergraduate Admissions (enrollment in April)

The university of Toyama offers special entrance examinations for privately funded international students. Admission requirements and detailed information are usually announced in late October and the examinations are held in late February of the following year at the campus of University of Toyama. Please refer to our website for the latest information and request application materials.

■ Graduate Admissions (enrollment in April and October)

The university of Toyama offers special entrance examinations for privately funded international students.
Please refer to our website for the latest information and request application materials.

■ Non-degree Admissions

To enroll as a research student (non-degree student), the applicant must search for, and contact an advisor in the faculty, graduate school, institute or center of his or her choice, and then receive advisor's approval. After this, the applicant must submit an admission form and the necessary documents.
Applicants must satisfy the following requirements.
・Research student in the faculty
The applicant is required to have a bachelor's degree or the academic abilities equivalent or superior to a bachelor's degree.
・Research student in the graduate school
The applicant is required to have a master's degree or the academic abilities equivalent or superior to a master's degree.

Tuition fees

Tuition costs are subject to change. Please be aware that future tuition costs and fees may differ.

Division	Tuition	Admission Fee	Entrance Examination Fee
Undergraduate Students	535,800 yen per year	282,000 yen	17,000 yen
Graduate Students	535,800 yen per year	282,000 yen	30,000 yen
Research Students	29,700 yen per month	84,600 yen	9,800 yen

Scholarship

The following scholarships are available to privately funded international students.

❶MEXT Honors Scholarship for Privately-financed International Students (MEXT: Ministry of Education, Culture, Sports, Science and Technology)
Monthly stipend : Undergraduate students 48,000 yen
Graduate students 48,000 yen
Scholarship period : One year

❷Toyama International Exchange Scholarship
Monthly stipend : Undergraduate 1st year students 10,000 yen
Other students 50,000 yen
Scholarship period : One year

❸Rotary Yoneyama Memorial Foundation Scholarship
Monthly stipend : Undergraduate students 100,000 yen
Graduate students 140,000 yen
Scholarship period : 2 years (maximum)

❹Other Scholarships

Housing

・Gofuku International House

Gofuku International House was set up under the purpose of offering international students and researchers secured place to reside; such would extend to the contribution toward their study, research, and international exchange.

Types	Number of room available	Monthly rent
Single	34 rooms	5,900 yen
Couple	5 rooms	9,500 yen
Family	1 room	14,200 yen

Utilities (water, gas and electricity) are not included in rent.

・Student Dormitory

The University of Toyama has a student dormitory named Shinjyu-Ryou (Capacity:338 men and 106 women), about 2 kilometers south of Gofuku Campus. There are three 4-story buildings for men and one for women. Two students share one room. There are common bathing and rest rooms. The monthly rent is approximately 26,000 yen, including room rent, utility charges, water, and meals.

Please refer to our website for the latest information about international students.
Guidebook for international students is available at
http://www.u-toyama.ac.jp/campuslife/international-student/

Campus Guide

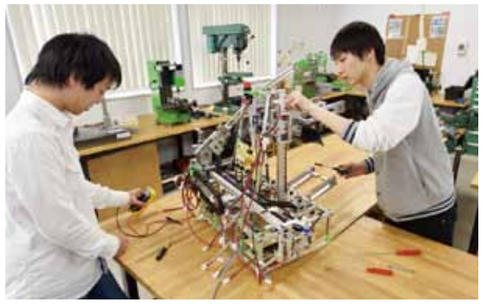
The Faculty of Engineering is located on the Gofuku Campus which is the main campus among 3 separated campuses of the University of Toyama. Gofuku campus is conveniently located approximately 15 minutes away from the city center by city tram.

Gofuku campus

■ Education and Research Building

The exercise of Active-Learning helps students cultivate and acquire their problem finding and solving skills and creativity. It's a new institution aiming to develop global human resources.

■ Creative Engineering Center



Students cultivate their creativity through the cross-faculty or cross-grade leaning and monodzukuri program of industry-academia collaboration. It's also a center of Formula Project and Robot Contest Project.

■ Research Laboratory Buildings

There are 7 research laboratory buildings of electric, information, mechanic, biology, chemistry, materials, and graduate school. Each of these buildings are connected and shape the large campus of the Faculty of Engineering.

■ Educational Computer System

There are 108 computers(iMac) with color printers, large-format printers, and scanners available for students use. Students can freely use them to write a report, access to network resources, and develop software.

■ Central Library

There are approximately 1.05 million items and 20 thousand journal titles available in the library. A collection of rare books that had been privately owned by Lafcadio Hearn (Koizumi Yakumo) is kept as The Lafcadio Hearn Library.

■ Café AZAMI

A café with a great atmosphere is located near the central gate of the University. You can enjoy drinks, pasta, fresh bakery, and lunch box.

■ Cafeteria and Retail Store

A cafeteria on the 1st floor, and a retail store on the 2nd floor are located on the campus of Engineering. Very convenient and useful for students of the Faculty of Engineering.

■ Kuroda Hall

This hall was built with money donated by the founder of Kokuyo Co., Ltd., Zentaro Kuroda. It contains a large hall which can accommodate 500 people and conference rooms. Kuroda Hall is widely used for lectures and group activities.

Learn about Toyama

Toyama is a place of amazing natural beauty, great food, and advanced monodzukuri technology.

Toyama is a prefecture along the Sea of Japan coast in the Hokuriku region, and various kinds of seafood are caught in Toyama Bay throughout the year. The prefecture also includes part of the spectacular Northern Japan Alps, and this famous mountain range actually defines Toyama. Its seasonally changing landscape will surely delight you.
An abundant supply of pure water from mountains generates low-cost hydroelectric power. Due to these rich natural and electric resources, a variety of industries have gathered together to form one of the strongest industrial areas on the Japan Sea side of the country. Pharmaceutical industry, machinery and metals industry, and IT industry are most particularly prospered. Toyama also has become a major production center for aluminum products, machinery and other goods, and some of those companies have the largest market share in the nation and world.

The Hokuriku Shinkansen (bullet train) has started commercial operation directly from Tokyo to Toyama on March 14, 2015. The development and expansion of transportation systems have reduced the traveling time and realized to travel from Tokyo to Toyama in just about two hours. Public transportation within the prefecture is also well developed. The cost of living is relatively cheap. Toyama is definitely a livable and student-friendly place.

Population of Toyama:
1,064,009
Population of Toyama city:
418,526

Average annual temperature:
14.1°C/58F
Average summer temperature:
24.1°C/75F
Average winter temperature:
3.8°C/39F

Happiest Prefecture
Based on lifestyle, work environment, security and general health of population

as of 2012

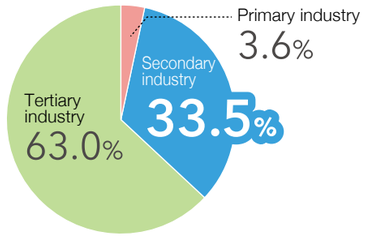
Ranked in **2nd** in Japan

Homeownership rate
78.35%

as of 2010

Ranked in **1st** in Japan

■ Employment by Industry in Toyama



Ranked in **3rd** in Japan

The proportion of employed persons in secondary industry in Toyama is 33.5%.

Ministry of Internal Affairs and Communications
2012,Employment Status Survey

Major industries of Toyama

Production value of pharmaceutical products
616.3 billion Yen

as of 2014

Ranked in **2nd** in Japan

Shipment value of aluminum alloys

Ranked in **2nd** in Japan

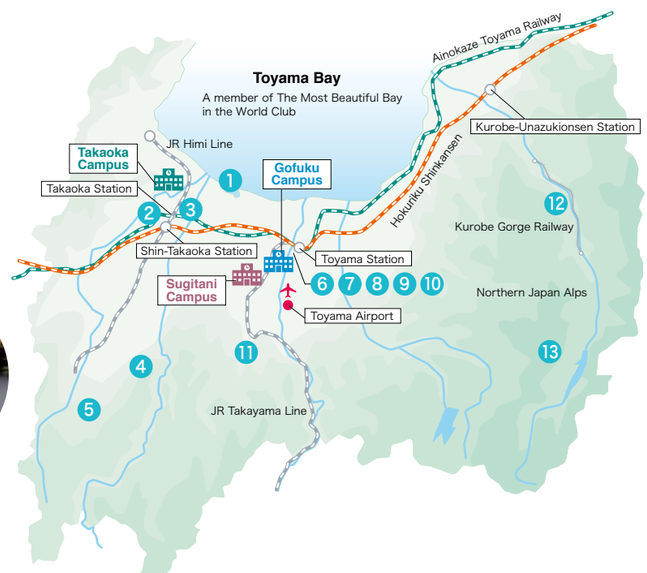
Shipment value of coppers alloys

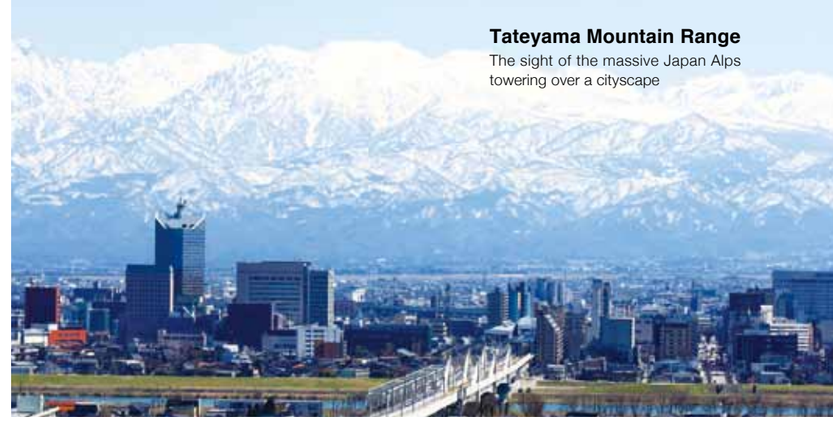
Ranked in **1st** in Japan

as of 2012

Delicious Food

Toyama Bay is one of the richest fishing areas in Japan. Those fresh seafood from the bay attracts people from all over the country. Toyama is also known for its production of high quality variety of rice. Sake produced from clear water from the Northern Japan Alps and those high quality rice is very tasty.Toyama is also the home of “black ramen”, a local specialty that is very unique in black soup.





Tateyama Mountain Range
The sight of the massive Japan Alps towering over a cityscape

1 Kaiwomaru Park and Shinminato Bridge

The magnificent sailing ship Kaiwomaru built in 1930, also known as the "Lady of the Sea" and the largest cable-stayed bridge on the Sea of Japan coast.

2 Zuiryuji Temple

A temple complex designated as a national treasure in 1997. It is an excellent example of Japanese architecture from the early Edo period.

3 The Great Buddha of Takaoka

One of the three famous Great Buddha of Japan along with those in Nara and Kamakura, it is infused with the style and techniques of local bronze ware manufacturers which is a tradition with a history of 400 years.

4 Tonami Tulip Park

A flower theme park where Japan’s largest Tulip Fair (2.5 million tulips blooming colorfully in 600 different varieties) is held in spring every year.

5 The Historic Villages of Gokayama

The large houses with their steeply pitched thatched roofs are the only examples of their kind in Japan. This beautiful and nostalgic village setting was registered as cultural heritage sites in 1995.

6 Light Rail Transit (LRT)

The city of Toyama launched Japan’s first full-scale LRT system. Two light rail systems operate directly from the north and south sides of Toyama station with trains running several times an hour throughout the day.

7 Bicycle Sharing System “Aville”

There are 20 bike stations located in busy residential and shopping areas and near public transport in Toyama City. It is available 7 days a week, 24 hours a day.

8 Toyama Castle

The castle was the residence of the Maeda clan of the Toyama Domain in the Edo period (1603-1867). The site is now maintained as a park.

9 Matsukawa River

This site is listed in "Japan's top 100 sites for cherry-blossom viewing".

10 Toyama City Public Library / Toyama Glass Art Museum

It is the building designed by world renowned Japanese architect Kengo Kuma and consisting the preeminent glass art museum and city library.

11 Owara Kaze-no-Bon

A traditional festival that attracts large numbers of spectators from all over the country.

12 Kurobe Gorge

A beautiful deep V-shaped ravine. The Kurobe Gorge Railway travels up along the Kurobe River valley.

13 Tateyama Kurobe Alpine Route / Snow Wall

It is a unique and spectacular route through the Northern Japan Alps which is traversed by various means of transportation. Gigantic snow wall which can reach a height of up to 20 m is one of its highlights.