

70 minutes from Osaka airport to
Sendai airport by airplane.



■ **TOKYO**

90 minutes from Tokyo to
Sendai by super express.

■ **OSAKA**

Hirose Campus

National Institute of Technology, Sendai College, Hirose Campus
4-16-1 Ayashi-Chuo, Aoba-ku, Sendai-shi, Miyagi 989-3128, Japan

TEL: **+81-22-391-5508**

E-mail: soumu@sendai-nct.ac.jp

URL: <https://www.sendai-nct.ac.jp/english/>

ACCESS

By train

Take the Senzan line from [Sendai Station – JR] and disembark at [Ayashi Station];
it takes about 25 min by train and 15 min on foot from the station.

Sendai City bus

Take the bus at Sendai Station for Sakunami Hot Springs, Jogi,
and Shirasawa Depot and disembark at [Sendai Kosen, Hirose Campus];
it takes about 45 min by bus and 5 min on foot from the bus stop.

Natori Campus

National Institute of Technology, Sendai College, Natori Campus
48 Nodayama, Medeshima-Shiote, Natori-shi, Miyagi 981-1239, Japan

TEL: **+81-22-381-0253**

E-mail: shomu@sendai-nct.ac.jp

URL: <https://www.sendai-nct.ac.jp/english/>

ACCESS

By train

Take the Tohoku line, Joban line, Sendai airport line from [Sendai Station – JR]
and disembark at [Natori Station – JR]; then walk 25 min on foot.

Take the bus [Natori] (Prefectural Cancer Center line) at (Natori Station – West Entrance)
and disembark at [Sendai Kosen, Natori Campus]; then walk 5 min on foot.

National Institute of Technology (KOSEN),

Sendai College

**SENDAI KOSEN
CAMPUS GUIDE**



Creating our FUTURE

National Institute of Technology, Sendai College (SENDAI KOSEN) encourages practical skills and research capabilities through consistent education for five years and, after graduation, students will acquire more advanced skills and research abilities in a two-year Advanced Engineering Course. Why don't you join SENDAI KOSEN to create the FUTURE?

01 Lecture

P.06-08

P.09-10

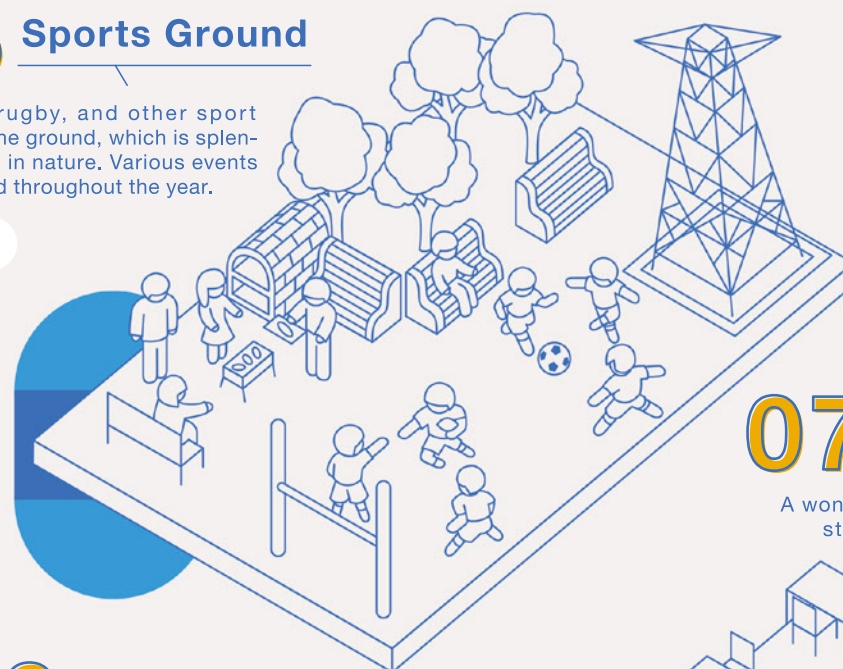
Many lessons are focused on communication such as active learning. Practical support is always provided for students' learning goals.



05 Sports Ground

Baseball, rugby, and other sport teams use the ground, which is splendid and rich in nature. Various events are also held throughout the year.

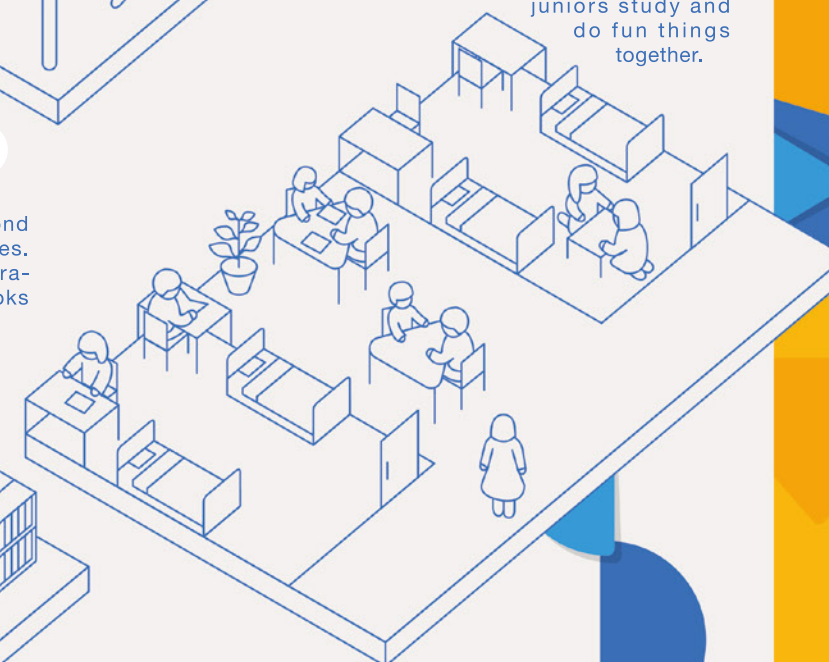
P.11-12



07 Dormitory

P.14

A wonderful home for dorm students. Seniors and juniors study and do fun things together.



06 Library

P.09

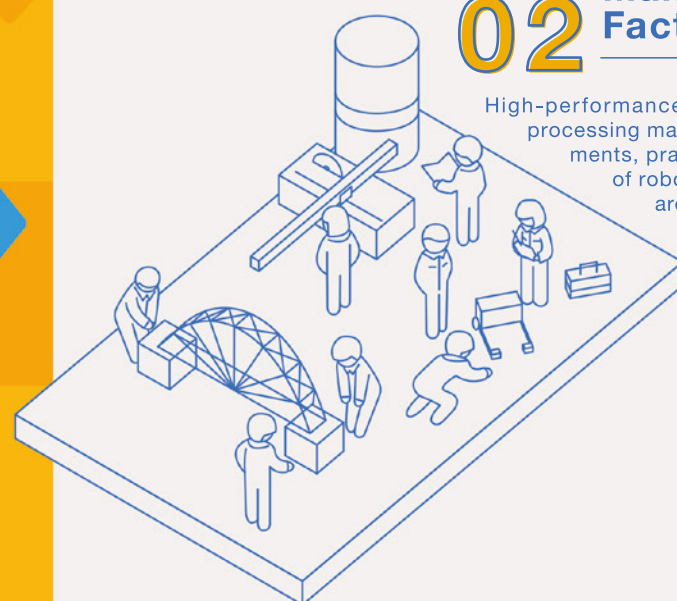
The collection of books goes beyond 150,000 in total of two campuses. The books varied from literature to specialized books in both campuses.



02 Manufacturing Factory

P.09

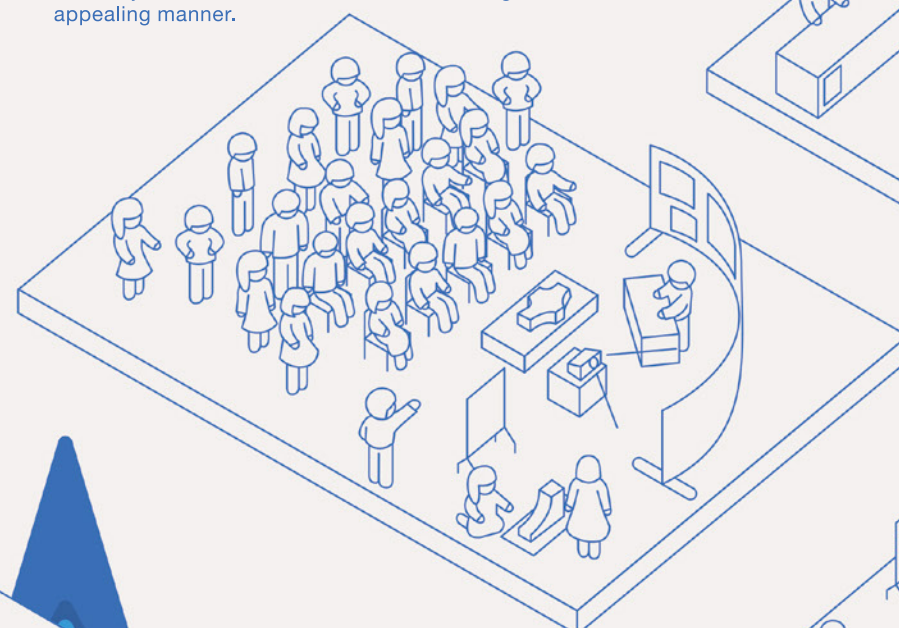
High-performance facility includes lathes, processing machines, 3D printer. Experiments, practical training, production of robots, and many other things are conducted in this factory.



03 Presentation

P.11

Students are often required to make presentations, which help them to improve their expressive skills so that they can share their ideas in the most logical and appealing manner.



04 Laboratory

P.06-08

P.10

Students start laboratory works from the upper grades, it is a technological production base to create the FUTURE.



08 Cafeteria

P.09

A place to relax for students. The room is equipped with whiteboard walls so that it can be also used for meetings and lectures.



09 Gymnasium

There are two big gymnasiums on each campus. They are used for PE classes, club activities, assemblies, dorm events, and any other school events.

P.12



Students' Voices

Question

- 1

Why did you apply for KOSEN?
- 2

What do you like about studying in KOSEN?
- 3

What makes KOSEN appealing?
- 4

Are there anything lacking in your KOSEN life?

STUDENT'S VOICE

1



Low Jing Chon

 Malaysia

1 The main reason is because Japan is a pioneer in the fields of science and technology. 2 Studying in KOSEN has given me the opportunity to explore different topics and projects that I enjoy, and encounter people who share the same interests and goals as I do. 3 As well as studying in classroom, I actually get the chance to join field trips, and conduct researches. 4 Not much free time, but, I think these hard times will eventually turn to the key to success in the future.

STUDENT'S VOICE

2



Tuvshintugs Dookhuu

 Mongolia

1 When I was learning with Japanese teachers in my country, I learned many things from Japanese physics text books. So, I thought "When I am not even in Japan, I did learn a lot of stuffs thanks to Japan. There must be more to learn and study in Japan" and decided to come to Japan to study in KOSEN. 2 It is needless to mention I was more than satisfied with the course content and teaching method. 3 I think we learn more practical skills in KOSEN compared with universities. 4 Since the day I came to KOSEN, I have never felt dissatisfaction.

STUDENT'S VOICE

3



Enkhbaatar Erdene-Ochir

 Mongolia

1 I wanted to be capable of writing any program which I wish to create. 2 It was worth entering. After entering I found out that KOSEN has a lot of interesting experiments and has a lot of people that has the same interest as me. KOSEN taught me that failure is inevitable so I should never give up even I fail. I learned that it is important to work hard to create my own future. 3 In KOSEN, there are many interesting people and they are easy and fun to talk with. I can also keep studying what I really like. 4 I think there is none.

STUDENT'S VOICE

4



Pawee Laicharoenchokchai

 Thailand

1 As an exchange student, I applied for KOSEN to study computer science and technology, and to learn about Japanese language and culture. 2 I have no regret choosing this school. This place is great and I really enjoy the classes. 3 KOSEN is similar to high schools in some ways, but it is more close to universities as we focus more on special fields of study and research. 4 I have not experienced anything negative in my school life and private life.

< 1 Department 3 Divisions 8 Courses >

Advanced Engineering Course	2nd grade	Division of Information and Electronic System Engineering			Division of Production System and Design Engineering				
	1st grade								
Regular Course	5th grade	Information Systems Course	Information and Telecommunication Systems Course	Intelligent and Electronic Systems Course	Robotics Course	Materials Science for Environment Course	Mechanical and Energy Course	Architectural Design Course	Applied Science Course
	4th grade								
	3rd grade								
	2nd grade								
		1st grade	Division I			Division II		Division III	
		Hirose Campus			Natori Campus				
		Department of General Engineering							

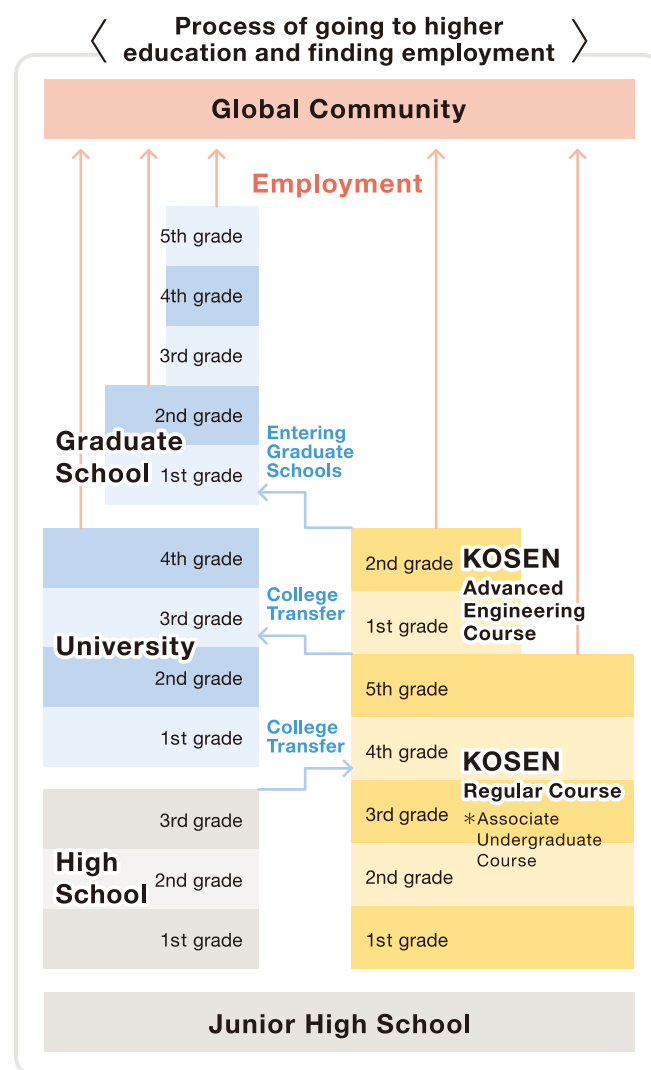
Almost
100% employment and continuous education rate

Destinations of Graduates

SENDAI KOSEN is a prestigious national higher educational institution. The rates for both employment and continuous education are very close to 100 %. (For the Japanese students, the ratio for employment and continuous education is 50 % each.)

Paths after graduation for international students in recent years

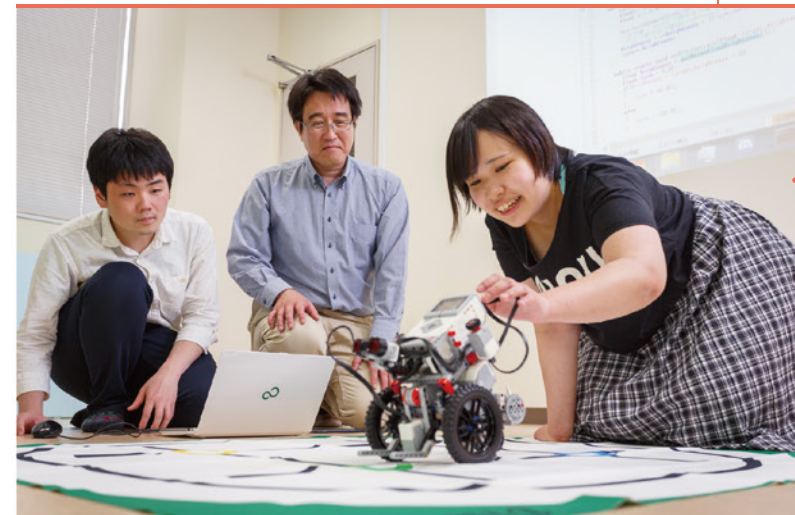
- Akita University
- Chiba University
- Ibaraki University
- Muroran Institute of Technology
- Osaka University
- The University of Electro-Communications
- Tohoku University
- Tokyo University of Agriculture and Technology
- Toyohashi University of Technology
- University of Fukui
- University of Tsukuba
- Utsunomiya University
- Panasonic Corporation
- Torishima Pump Mfg. Co., Ltd.



Division I Information and Electronics Course

Students are able to take various classes on information and electronics across the three courses.

- Information Systems Course
- Information and Telecommunication Systems Course
- Intelligent and Electronics Systems Course



Hirose Campus

Information Systems Course

Students learn various skills and knowledge concerning the software, hardware and communication technology. They are expected to grow as global citizens who can contribute to the society through their acquired knowledge and skills.

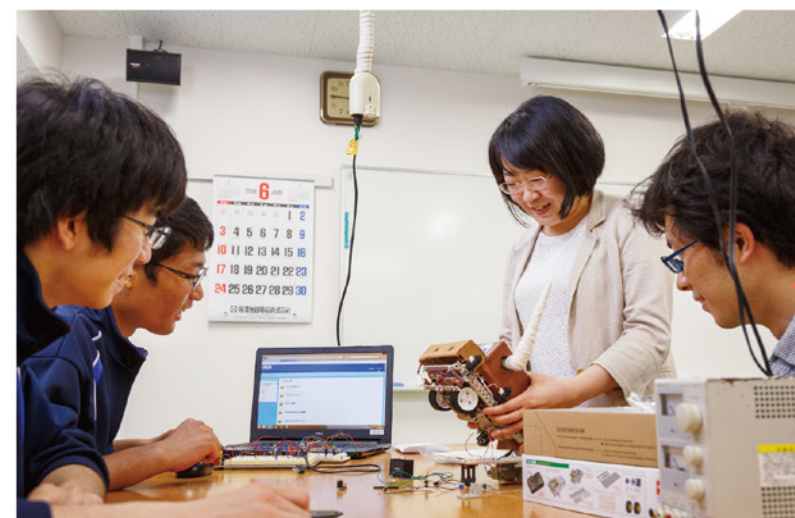
Information and Telecommunication Systems Course

Students learn a wide range of skills and knowledge from communication / computer network to information security. They are expected to grow as global citizens who can contribute to the development of society through applying their acquired knowledge and skills.



Intelligent and Electronics Systems Course

Students learn a wide range of knowledge and skills including electronic devices such as smart phones, and software, mechanism. They are expected to grow as global citizens who can contribute to the establishment of the safe society in which welfare or environmental preservation are well-advanced through the skills of electronics technology.



Voices of International Students



Robert Dwiputra

Indonesia

Architecture & Design major in Sendai College → Faculty of Engineering / Dept. of Architecture (Fire & Disaster-resistant Design) in Chiba University → Chiba University Graduate School → Structural Engineering Division in NIHON SEKKEI, Inc.

Studying at Sendai College was the best moment I had in Japan! I learnt a lot, not only about my major but also about Japanese tradition and lifestyle! Sendai College gave me an excellent foundation in taking my next step!



Jarmo Seppala

Finland

NIT, Sendai College exchange program → Metropolia UAS, Bachelor of Engineering in Media Technology → Aalto University, M.Sc. Majoring in Information Networks, User-Centred Design

I wanted to see more of Japan than just Tokyo. I had heard that the atmosphere and the people were entirely different in the north compared to the capital region area, so I studied in NIT, Japan, Sendai College for half a year, doing a project work on Web-based language learning environment.

Division II Machine, Electric and Materials Course

There are three courses related with manufacturing. Across the courses, students are able to deepen their expertise of each course while exploring the knowledge of other fields.

- **Robotics Course**
- **Materials Science for Environment Course**
- **Mechanical and Energy Course**



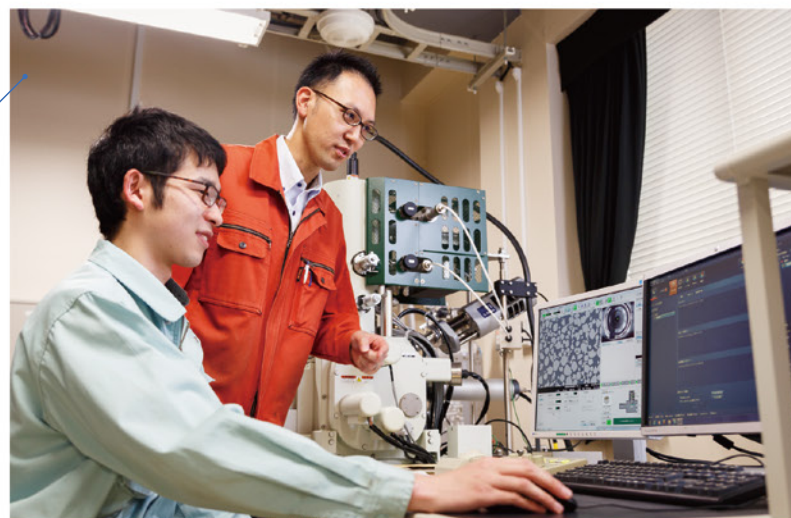
Natori Campus

Robotics Course

Students are expected to grow as global citizens who can contribute to the development of society through the creation and application of robots basing the acquired knowledge and skills of robotics technology including AI(Artificial Intelligence).

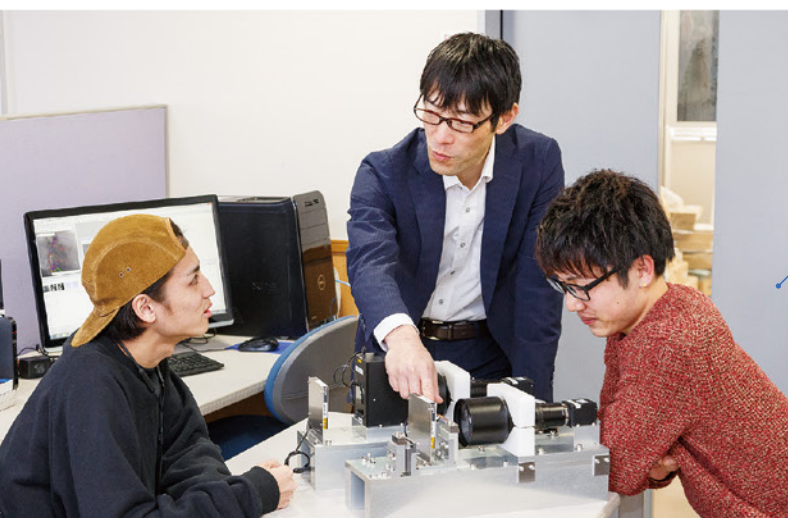
Materials Science for Environment Course

Students are expected to grow as global citizens who can contribute to the sustainable development of society through applying their acquired sophisticated theories, practical knowledge and techniques from the foundations of materials engineering and environmental science, while developing various industrial materials considering the protection of the global environment.



Mechanical and Energy Course

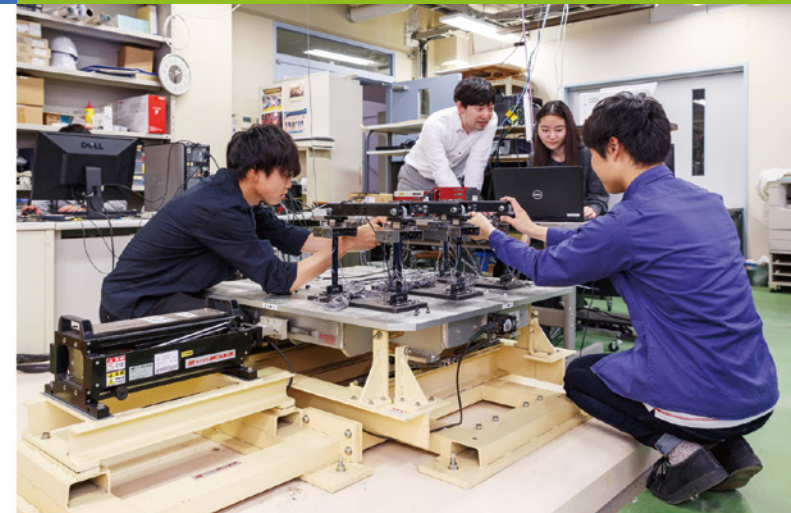
Students are expected to grow as global citizens who can contribute to the society through the development and application of combined and integrated technologies using energy technology as the core, whilst utilizing the knowledge and techniques of mechanical engineering, electrical engineering and material engineering acquired throughout the courses.



Division III Architectural Course

Emphasizing the obtainment of architects qualifications since the 1st grade, the curriculum was specially designed to enhance professional education for architectural design.

- **Architectural Design Course**



Natori Campus

Architectural Design Course

Students systematically learn urban and architectural studies and related fields. Such fields include ergonomics, urban planning, building planning, architectural design, building environment, building structure. We cultivate students' practical skills to solve social problems through various social contributions such as reconstruction of disaster areas and technical development.

Course common to Division I・II・III

- **Applied Science Course (from the 4th grade)**

Hirose Campus

Natori Campus

Students are expected to grow as global citizens who can contribute to the society by utilizing the acquired knowledge and skills from science and engineering. The scientific approach involves the skills and knowledge of information, electrical electron, mechanics, and materials. Thus, students systematically study the integrated subjects of basic physics and various engineering fields.

Advanced Engineering Course

- **Division of Information and Electronic System Engineering**
- **Division of Production System and Design Engineering**

Hirose Campus

Natori Campus

Advanced Engineering Course (2 years) is one of the career paths after graduation from regular course.

Division of Information and Electronic System Engineering (Hirose Campus) trains students who can solve problems by utilizing expertise and information electronic technology while having an international perspective.

Division of Production System and Design Engineering (Natori Campus) trains students who are able to correspond with multiple domains based on cross-cutting engineering skills / knowledge and can be involved in the whole process of manufacturing.

Advanced practical research education at university level such as internship, academic presentation, and other research activities are carried out.



Campus Supporting Future Engineers

Manufacturing Factory

Hirose Campus



Creative Education Center

Natori Campus



Classroom

Hirose & Natori Campus

Library

Hirose & Natori Campus



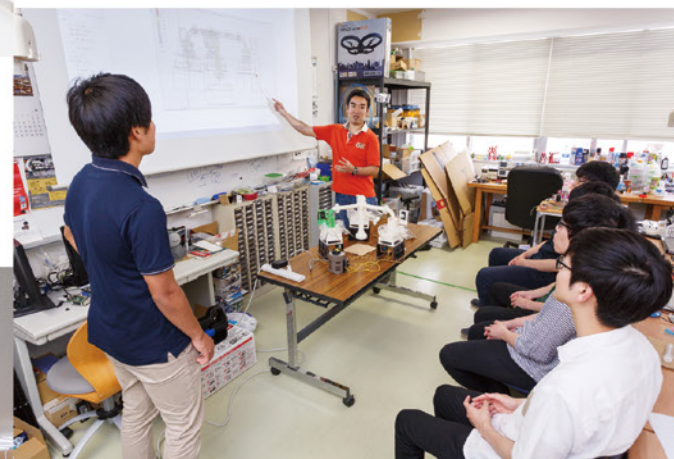
Computer Room

Hirose & Natori Campus

Laboratory

Technologies Connecting Humans and Machines

We are conducting research on “connecting technology” that enables people and machines to be connected in order to work smoothly and supports people’s lives and work. We also use our own ideas and challenge ourselves through participating various contests. Some of the research accomplishments are used for KOSEN Robot Contest, Solenoid Contest and so on. (Takatoshi Suenaga Laboratory) ❖



Internship

The 1st grade students in Advanced Engineering Course will participate in an internship for the local company for up to 3 months to work on the problem solving and reflect on their study accomplishments. It is a good opportunity to contribute to the local industries by using the technology that they have studied.

Community Contribution

There are open classes for local elementary and junior high school students. There is also an innovative agricultural project in which local children are engaged with rice farming. Many projects involve practical research on technical assistance of regional industry and reconstruction of disaster areas. Indeed, the entire region is the field of education and research.

Conference Presentation/ Symposium

In KOSEN, students participate in presentations and discussions in conferences within and outside Japan where college students, graduate students, and researchers gather. Although KOSEN students are slightly younger compared with other participants, they make excellent presentations. ❖



Laboratory

Design a Future Region

We conduct research on sustainability from both hardware and software, such as planning, designing and investigating public facilities mainly at cultural facilities. In recent years, the relationship between facilities and the area has become an important theme. We design the shape of the future region through concrete discussions everyday. (Taiyo Sakaguchi laboratory) ❖



STUDY & RESEARCH



FACILITY



Cafeteria/Terrace

Hirose & Natori Campus



EVENT

Sports Day in spring, KOSEN festival in fall. Field trips to local companies and factories, internships, study tour for Kansai district and abroad...and more and more!



KOSEN Festival

There are many fun interesting activities which include stage performances, various contests and food stands.



Study Tour

During the 4th grade, students will visit Kansai or Kyushu areas or abroad to visit the various company manufacturing sites.



KOSEN Athletic Tournament

The most important sports tournament. Qualified teams can participate in the Nationwide KOSEN Athletic Tournament.

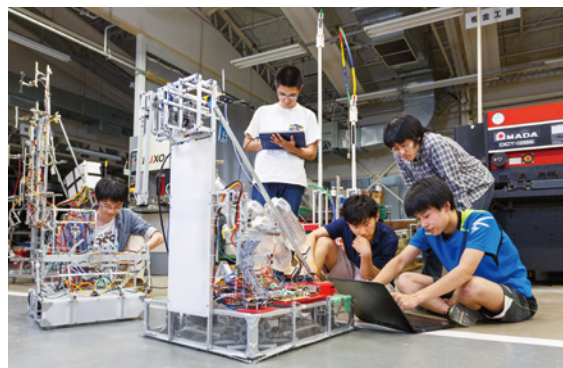


Sports Day

All college members-students, faculties, and staff participate in this most fun, exciting sports event.

CONTEST

Various contests in which college students nationwide compete for expertise. SENDAI KOSEN is top level nationwide in various contests!



“ROBOCON” (Robot Contest)

Aiming for the national competition, students will work together to make a robot making full use of ideas and technical skills.



“PROCON” (Programming Contest)

Students compete ideas and programs through creative manufacturing or competition.



“DEZACON” (Design Competition)

Students propose the future architecture that is full of originality. SENDAI KOSEN received the Best Award and Excellence Award (2 products).



“PRECON” (English Presentation Contest)

Giving the slogan “KOSEN students who can use English!” students participate in “PRECON”.

CLUB

SENDAI KOSEN succeed in various official competitions. There are various athletic events, and teams unique to KOSEN. There are also many culture clubs.



Rugby



Brass Band



Archery



Amateur “HAM” Radio



Baseball



Women's Basketball

Hirose Campus

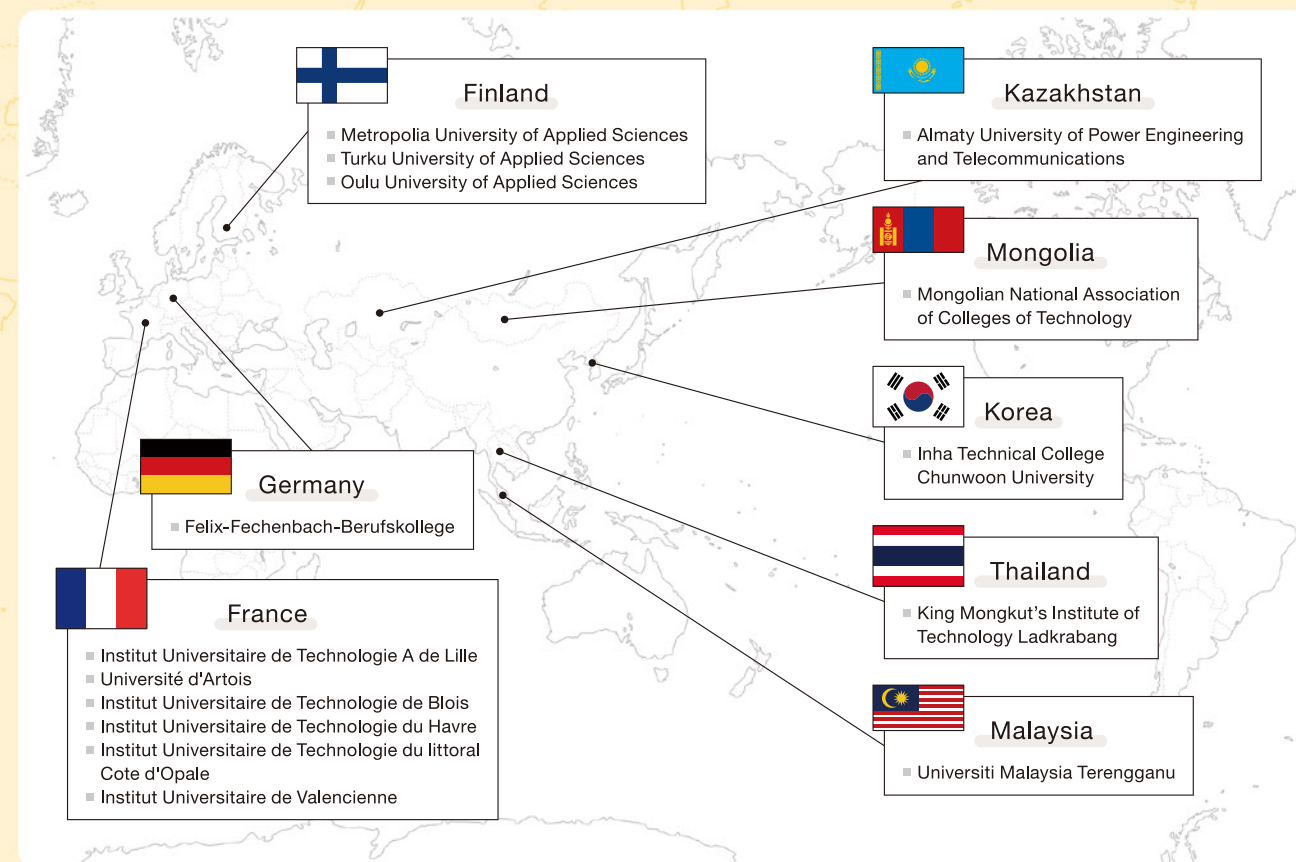
- Sports** Track and Field, Basketball, Volleyball (Men's, Women's), Softball Tennis, Table Tennis, Soccer, Baseball, Japanese Fencing, Badminton, Rugby, Tennis, Handball, Swimming
- Culture** Brass Band, Light Music, Photography, Amateur “HAM” Radio, Science, Japanese Harp, Go and Japanese Chess, Tea Ceremony/Flower Arrangement, Art, DTM, Programming
- Association** KOSEN Women's Project

Natori Campus

- Sports** Baseball, Volleyball (Men's, Women's), Table Tennis, Tennis, Soccer, Basketball (Men's, Women's), Judo, Japanese Fencing, Badminton (Men's, Women's), Track and Field, Swimming, Rugby, Wonder Vogel, Handball, Archery, Bicycle
- Culture** Brass Band, Light Music, Photography, Amateur “HAM” Radio, Tea Ceremony, Art, Astronomy, Literature, Automobiles, ESS, Calligraphy, Game of Go and Japanese Chess, Community Service Club, Painting
- Technology Study Group** Mechatronics Research Group, Software Research Group, Science Experience Study Group (Rika Ranger), KOSEN Women's Activity Promotion Circle

International Academic Exchange

Agreements on Academic Exchanges



International Student Exchange

International student exchanges with countries such as Germany, Finland, France, Thailand, are actively conducted. At the food party welcoming the international students from various countries, international students and Japanese students enjoy talking and cooking together.



Dormitory Life

Both Hirose Campus and Natori Campus have their own dormitories for those coming from remote places.

Dormitories are provided to campuses for students coming from remote places. The dormitories are operated voluntarily under the guidance of Ryo-seikai, composed of dormitory students. The dormitory is an educational facility to help cultivate well-rounded character through disciplined dormitory life in addition to providing learning conveniences. Students develop their own character through friendly competition. The dormitory offers good opportunities for students to cultivate adaptability to social life.



Hirose Campus



Natori Campus