

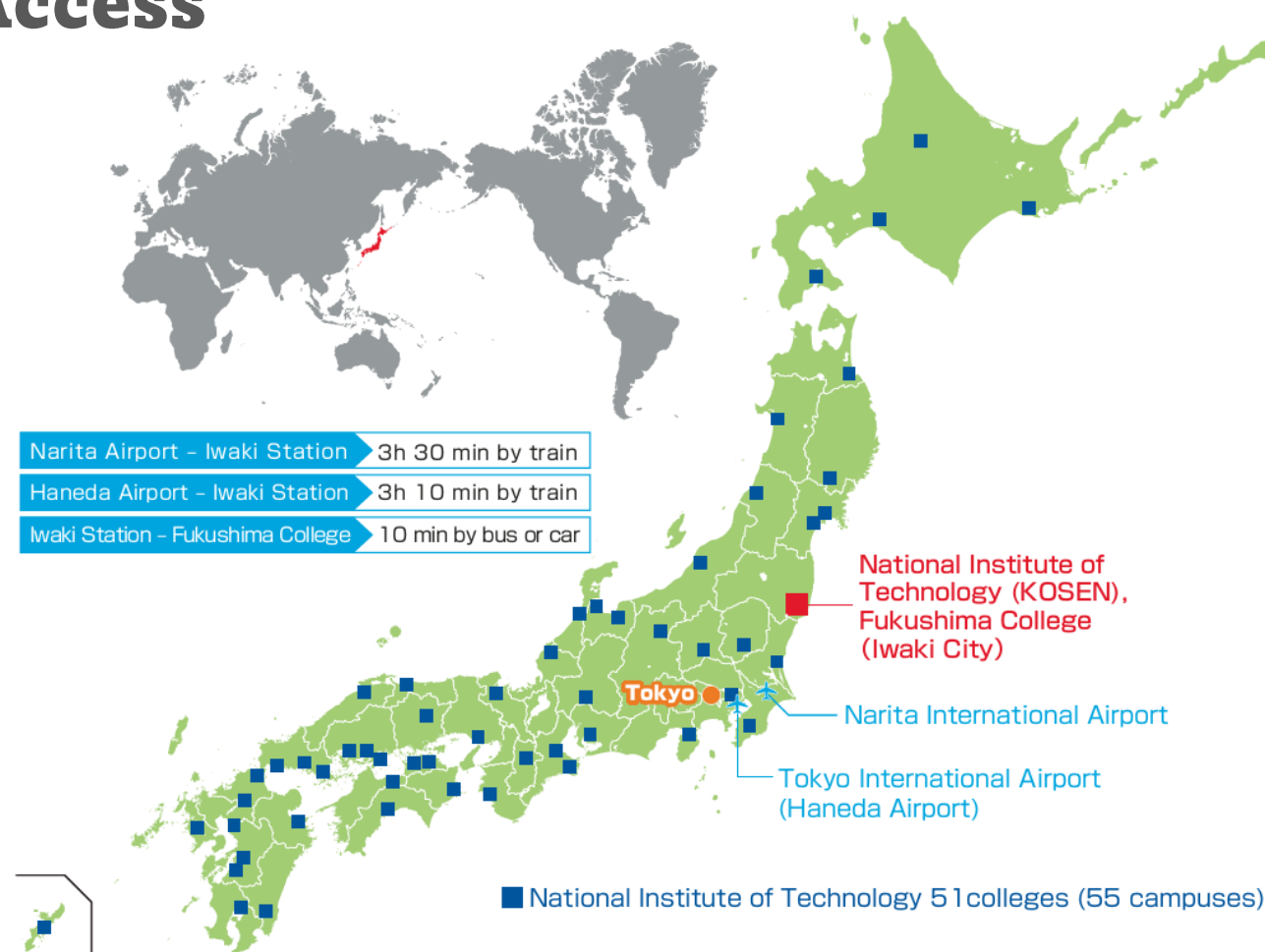
Dormitory

- Welcome party
- Evacuation drill
- Lunch party etc.



National Institute of Technology, (KOSEN)
Fukushima College

Access



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National Institute of Technology, (KOSEN)
Fukushima College
福島工業高等専門学校

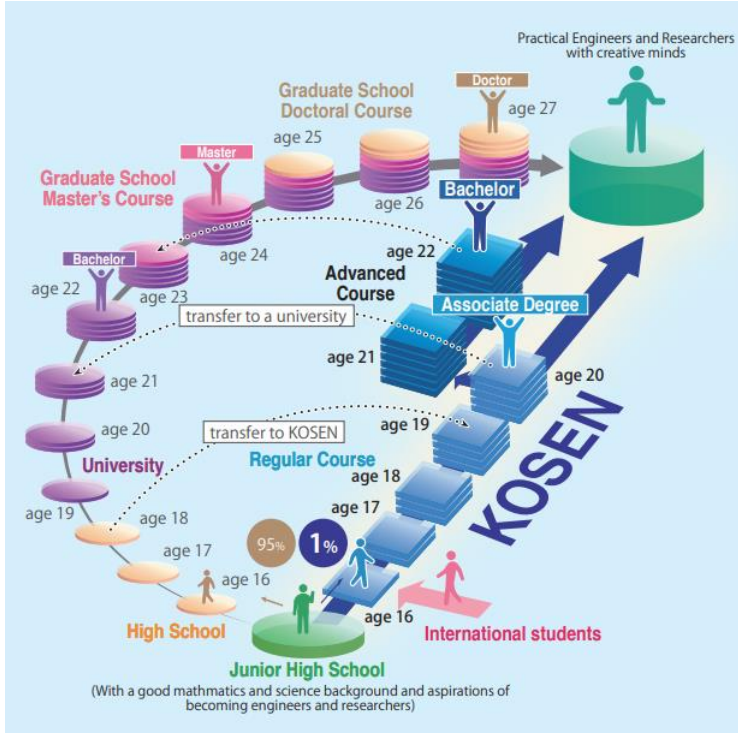
Creation
and
Practice

“KOSEN” System

Kosen was established in 1961 in response to a strong demand from the industrial sector to foster engineers who could help sustain the high Japanese economic growth which was occurring at the time.

The "Kosen" system is a five-year program that combines three years of high school and two years of an undergraduate university degree program.

At the end of the five years, students can continue at Kosen for another two years and finish their university degree; transfer to another university for the final two years of their degree; or enter the workforce.



Departments and Programs

General Education

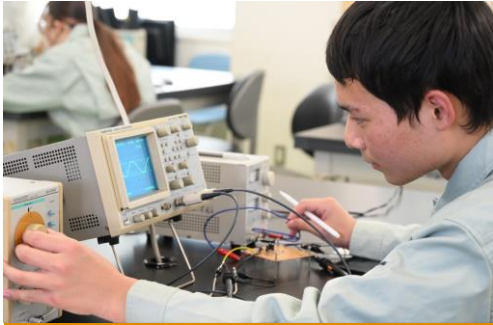
The General Education Course helps students acquire the fundamental knowledge and skills they need to excel in their specialized majors.

- Mathematics
- Physics
- Chemistry
- English
- Japanese
- Humanities and social sciences
- Physical education
- Fine art



Mechanical System Engineering

- Mechanical design and drawing
- Mechanism
- Mechanical dynamics
- Strength materials
- Thermodynamics
- Hydraulics
- Fundamental manufacturing practice
- Manufacturing practice
- Creative manufacturing practice



Electrical and Electronic System Engineering

- Electric circuits
- Electric and electronic measurement
- Electrical communications
- Electromagnetics
- Power electronics
- Information engineering
- Experiments on electric and electronic engineering
- Creative manufacturing practice



Applied Chemistry and Biochemistry

- Physical chemistry
- Organic chemistry
- Inorganic chemistry
- Analytical chemistry
- Biochemistry
- Chemical engineering
- Experiment of material engineering
- Experiment of material chemistry
- Experiment of biotechnology



Civil and Environmental Engineering

- Construction materials
- Environmental science
- Geotechnical engineering
- Hydraulics
- Method of construction
- Regional planning
- Structural mechanics
- Design exercises for civil engineering
- Experiments and exercises in civil engineering
- Survey training



Business Communication

- Basic programming
- Business English practice
- Financial accounting
- Management Strategy
- International management
- Macroeconomics
- Linear algebra
- Information Processing Practice
- Management Information Practice
- Computer Science Practice
- Business Administration

Advanced Course

Production and Information System Engineering

- Applied mechatronics
- Quality engineering
- Applied electronically control engineering
- Thermo-Fluid engineering

Energy System Engineering

- Energy conversion engineering
- Applied industrial information engineering
- Applied semiconductor engineering
- Power delivery system engineering

Chemistry and Bioengineering

- Applied material chemistry
- Applied synthetic chemistry
- Biomolecular functional engineering
- Applied organic chemistry

Social Environmental Systems Engineering

- Analysis of structures
- Disaster prevention engineering
- Environmental preservation engineering
- Infrastructure maintenance engineering

Business Communicology

- Information science
- Financial statements analytics
- Data analysis theories
- Global management studies