



Nurturing talent to respond to the progress and complexity of technology

Education that supports not only those who will seek employment, but those interested in further education

◆School Principles – [Courtesy] [Responsibility] [Service] [Technology]

- ◆Features - *A curriculum aiming to advance students to university, which doesn't rely solely on classroom study
- *A wide variety of fascinating subjects
- *Education built around hands-on experience using advanced facilities

◆Branches of learning (Division/Course system)

Full-time system	1 st year	2 nd , 3 rd year
General Science Branch	General Science Division	Information Science Course Environmental Science Course
	Marine Science Division	Marine Science Course
General Technology Branch	Machine Technology Division	Mechanical Engineering Course Production and Systems Engineering Course
		Electrical Engineering Division
	Construction Engineering Division	Environmental Construction Engineering Course Architecture Course
		General Industrial Design Course
	Marine Technology Division	General Marine Technology Course

◆Curriculum aims

General Science Branch

We aim to produce high-level technology specialists by sending students on to university.

General Technology Branch

We aim to create technicians who can play an active part in the industrial world.

◆ Course guide

General Science Branch – General Science Division

◇ Information Science Course



Basic Electrical
Engineering Training

College Preparation
Supplementary Class

Dynamics
Practical Training

Programming Class

Aims and Features

In addition to complementing regular science and mathematics classes, this course gives students a foundation of knowledge and skills in I.T. and areas of physics, such as electricity, necessary to progress to a related course at university. These students will aim to enter a four-year course at a national or private university.

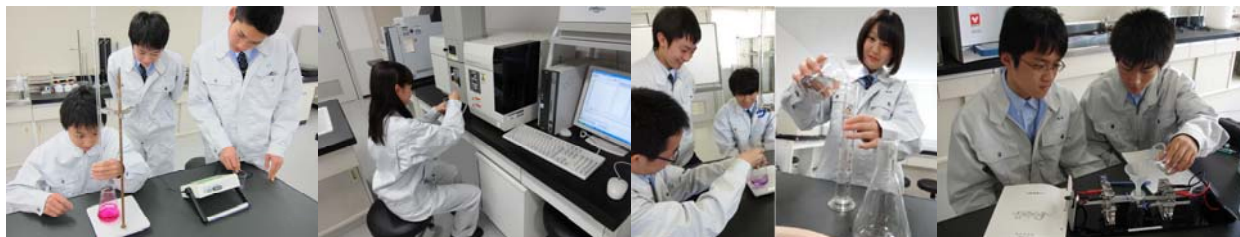
Attainable Qualifications

Basic I.T. Technician
I.T. Passport
English Proficiency Test
I.T. Proficiency Test
Etc.

Principal Areas of Specialization

Basic Technical Science and Mathematics
English for the Technology Industry (Writing)
Basic Electrical Engineering
Programming
Multimedia Application
Industrial Materials
Etc.

◇Environmental Science Course



Environmental
Measurement
Practical Class

Atomic Absorption
Spectroscopy
Practical Training

Chemical Analysis
Practical Training

Fuel Cell Experiment

Aims and Features

In addition to complementing regular science and mathematics classes, this course gives students a foundation of knowledge and skills necessary to progress to a related course at university in the field of chemistry, including study of the environment and energy. These students will aim to enter a four-year course at a national or private university.

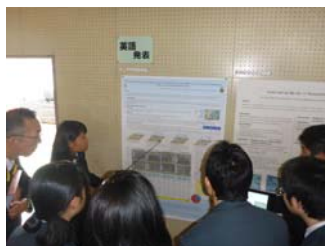
Attainable Qualifications

Pollution Prevention Administrator (water quality)
Grade II Boiler Engineer
Handling of Hazardous Materials
English Proficiency Test
Etc.

Principal Areas of Specialization

Basic Technical Science and Mathematics
English for the Technology Industry (Writing)
Global Environmental Chemistry
Programming
Multimedia Application
Industrial Materials
Etc.

◇Marine Science Course



Super High School
Poster Presentation



Marine Surveying



Marine Life
Field Surveying



Microscopic Observation

Aims and Features

In addition to acquiring specialized knowledge and skills related to marine studies, students study the various environmental problems associated with the ocean. These students will aim to enter a four-year course at a fishery or marine university.

Attainable Qualifications

Diving
Pollution Prevention Administrator (water quality)
English Proficiency Test
Etc.

Principal Areas of Specialization

Seamanship
Marine Environmental Studies
Aquatic Life
Basic Fishery Science
Marine Information Technology
General Marine Practical Training
Etc.

◇Mechanical Engineering Course



Lathe Operation

Gear Hobbing
Machine Operation

Exhibition at
“Ideen Expo” in Germany

Welding Room

Aims and Features

Centering on the basics of industrial manufacturing, from the study of industrial materials to the drafting of plans, students acquire knowledge and skills related to every sphere of the machinery industry.

Attainable Qualifications

Technician (lathe)
Grade II Boiler Engineer
Handling of Hazardous Materials
Machine Drafting Proficiency Test
Etc.

Principal Areas of Specialization

Basic Technical Science and Mathematics
Machine Design
Machine Construction
Motors
Draftsmanship
Practical Machine Operation
Basic I.T.
Etc.

◇Production and Systems Engineering Course



Sequencer

Practical Training

CAD/CAM

Practical Training

Robotics

Practical Training

Microcomputer

Practical Training

Aims and Features

Focusing on the fundamentals of machine technology, students acquire knowledge of automated production systems, such as NC machine tools and industrial robots, and the role of electricity in the operation of machines.

Attainable Qualifications

Second Class Electric Work Specialist
Technician (Sequential Control)
Installation Technician (DD3 type)
Etc.

Principal Areas of Specialization

Basic Technical Science and Mathematics
Machine Design
Machine Construction
Production Systems Technology
Electronic Machinery
Electronic Information Technology
Applications of Electronics
Etc.

◇Electrical Engineering Course



Electric Motor
Practical Training

Electronic Circuit
Practical Training

High Tension Current
Transformer Training

Manufacturing Competition,
Electrical Division

Aims and Features

While learning the basics of electricity, from power generation to application, students acquire practical knowledge and skills related to electrical work. This course creates technicians who will thrive in fields such as the manufacture and administration of electrical equipment, and general electrical work.

Attainable Qualifications

Third Class Electric Chief Engineer
First Class Electric Work Specialist
Second Class Electric Work Specialist
Etc.

Principal Areas of Specialization

Basic Electricity
Electronic Machinery
Electronic Technology
Control and Measurement of Electricity
Electronic Circuits
Etc.

◇Information and Communications Engineering Course



Programming
Practical Training

Sequential Control
Practical Training

Manufacturing Competition,
(Electronic Circuits
Construction Division)

Computer Construction
Exercise

Aims and Features

From the basics of computing to such aspects of communication technology as networking and multimedia use, students study to become technicians who can respond to the needs of companies in the communications industry.

Attainable Qualifications

- Basic Information Technician
- I.T. Passport
- Installation Technician (General Division, DD1 Type)
- Second Class Electric Work Specialist
- Etc.

Principal Areas of Specialization

- Basic Electricity
- Electronic Circuits
- Hardware
- Programming
- Network Systems
- Communications Technology
- Software
- Multimedia Application
- Etc.

◇Environmental Construction Engineering Course



Surveying Practical
Training

Geographical
Information Systems
Training

Material Experiments
(Testing Compressive
Strength of Concrete)

Use of Small
Construction Vehicles

Aims and Features

In this course, students acquire practical knowledge related to surveying, design and construction while gaining computer literacy, in order to become safe, successful civil engineers.

Attainable Qualifications

Grade II Construction Supervisor
Assistant Surveyor
Explosives Control Supervisor
Use of Small Construction Vehicles
Etc.

Principal Areas of Specialization

Drafting
Surveying
Civil Engineering
Basic Construction Mechanics
Construction Design
Environmental Engineering
Construction Mathematics
Etc.

◇Architecture Course



Architectural Works
Exhibition

CAD Architecture
Practical Training

Designing and Drafting

Framing

Aims and Features

In this course, students learn about wooden, steel and reinforced concrete building structures. Additionally, with a focus on designing and drafting, students acquire a practical knowledge of the principles of architecture, including such planning-stage considerations as building safety.

Attainable Qualifications

Grade II Architectural Supervising Technician
Assistant Surveyor
Use of Small Construction Vehicles
Tracing Proficiency Test
Etc.

Principal Areas of Specialization

Architectural Drafting
Building Structure
Building Design
Architectural Construction
Building Regulations
Architectural Planning
Etc.

◇General Industrial Design Course



Wood Processing

2D Composition

Packaging Design

CG Practical Training

Practical Training

Aims and Features

Students acquire creative and practical skills related to every field of design focusing on Interior Design. Aiming to realize each individual student's goals for the future we foster in them an ability to respond independently to the changing face of modern technology.

Attainable Qualifications

Lettering Proficiency Test
Tracing Proficiency Test
Interior Designer
Color Application Proficiency Test
Graphic Design Proficiency Test
Interior Coordinator
Etc.

Principal Areas of Specialization

Drafting
Furnishings
Interior Planning
Color Planning
Design Technology
Computer-Aided Design
History of design
Etc.

◇General Marine Technology Course



Ashumaru (school motorboat)



Motorboat Operation
Practical Training



Cutter Rowing



Seaweed Harvesting

Aims and Features

Students acquire knowledge and skills related to marine industries and to navigation and control of marine vessels, and, with the help of the school's own motorboat, learn about marine environmental surveys and diving.

Attainable Qualifications

- Diving
- Small Vessel Piloting
- Nautical Technician (navigation, engineering)
- Etc.

Principal Areas of Specialization

- Seamanship
- Fishing Vessel Operation
- Ship Engines
- Marine Environment
- Diving
- Etc.

◆ School Life



Preparation for Job Interviews



Studying in the Classroom



Students' General Assembly



School Sports Festival



School Culture Festival



School Trip in Hokkaido

◆ Access

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