



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	Electrical Engineering Course
		Information and Communications Engineering Course
	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

Mechanical Class

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 Industrial Technology (English Expression I)
- Basic Electrical Engineering
- Etc.

◇Environmental Science Course



Environmental Analysis
Practical Class

Atomic Absorption
Spectrometry Apparatus

Gas Chromatograph

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 Industrial Technology (English Expression I)
Geo-environmental Chemistry
Etc.

◇Marine Science Course



Ashumaru
(school motorboat)



Seaweed Measuring



Marine Analysis



Observation with
Microscopes

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
Maritime II-category Special Radio Operator
Class 3 Refrigeration Safety Manager
English Proficiency Test
Etc.

Principal Areas of Specialization

Fisheries and Ocean Science
Ocean Environment
Ocean Life
Basis of Fisheries and Oceans
Ocean Information Technology
Comprehensive Practice
Etc.

◇Mechanical Engineering Course



Lathe Operation

Gear Hobbing
Machine Operation

Manufacturing Competition
(Technical Division)

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 Engineering and Construction
Prime Movers
Drawing
Practical Machine Operation
Basic I.T.
Etc.

◇Production and Systems Engineering Course



Sequencer Practical

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
Approval test of basic CAD
Installation Technician (DD3 type)
Etc.

Principal Areas of Specialization

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

◇Electrical Engineering Course



Electric Motor Practical

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
Electrical Appliances
Electric Energy Technology
Electronic Measurement and Control
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 Technology
- Programming Technology
- Network System
- Communication Technology
- Software Technology
- 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
Surveyor
Explosives Control Supervisor
Use of Small Construction Vehicles
Etc.

Principal Areas of Specialization

Drawing
Surveying
Civil Engineering Work
Civil Foundation Mechanics
Civil Engineering Construction Design
Environmental Engineering
Construction Mathematics
Etc.

◇Architecture Course



CAD Architecture
Practical Training

Woodworking
Practical Training

Surveying
Practical Training

Model-building
Practical Training

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
Grade I Architectural Supervising Technician
Second Class Architect
First Class Architect
Etc.

Principal Areas of Specialization

Architectural Drafting
Architectural Structure
Architectural Structure Design
Execution of Architectural Works
Architectural Laws and Regulations
Architectural Planning
Etc.

◇General Industrial Design Course



Wood Processing

Practical Training

Composition

Lettering

Practical Training

CG 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
- Color Application Proficiency Test
- Graphic Design Proficiency Test
- Interior Coordinator
- Etc.

Principal Areas of Specialization

- Drawing
- Interior Processing
- Interior Planning
- Color Planning
- Design Technology
- Information Design
- History of Design
- Etc.

◇General Marine Technology Course



Swimming



Seaweed Harvesting



Cutter Practice



Snorkeling

Aims and Features

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

Attainable Qualifications

Diving
Small Vessel Piloting
Maritime II-category Special Radio Operator
Class 3 Refrigeration Safety Manager
Etc.

Principal Areas of Specialization

Ocean Life
Fishery Stock Enhancement
Small Boats
Fishing Industry activity
Comprehensive Practice
Etc.

◆School Life



Students Prepare for Job Interviews



Studying in the Classroom



Students Gather
for a General Assembly



Competing in the Sports Festival



School Culture Festival



School Trip in Hokkaido

◆Access

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