

COLLEGE CATALOGUE

2022



NATIONAL INSTITUTE OF TECHNOLOGY (KOSEN)

OSHIMA COLLEGE



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EDUCATIONAL PHILOSOPHY

To nurture maritime engineers and industrial engineers with rich creativity nurtured in the ocean.

EDUCATIONAL OBJECTIVES

1. To train well-educated engineers with a global way of thinking
2. To produce cooperative engineers with leadership qualities and a strong sense of responsibility
3. To turn out creative engineers with an inquisitive mind

CULTIVATING HUMAN RESOURCES

To foster practical engineers with a broad perspective who support the technological foundation of manufacturing, possess high quality professional skills, are highly creative, and have an international outlook.

EDUCATIONAL PURPOSE

◇ SHIPPING TECHNOLOGY DEPARTMENT

1. To nurture the international specialist holding mariner license
2. To provide education and training to meet the needs of the maritime industry
3. To nurture the specialist having the ability in relation to basic scholastic achievement, technique, administration international sense, and to meet various maritime fields

◇ ELECTRONIC-MECHANICAL ENGINEERING DEPARTMENT

1. To nurture the practical engineer with the sophistication in electrical engineering
2. To train students to acquire the practical skills of information processing by computer
3. To produce the specialist having the ability of the logical expression and presentation
4. To nurture the engineer having a rich sense of humanity and responsibilities

◇ INFORMATION SCIENCE AND TECHNOLOGY DEPARTMENT

1. To train students to acquire applicable capabilities based on extensive information technology
2. To enhance abilities in communication and presentation as a group leader
3. To build up flexible and creative abilities for system designers

◇ ADVANCED COURSES for Bachelor Degree

1. Fostering advanced computer support skills through IT education
2. Cultivate language skills and cultural awareness through internationalized education
3. Fostering integrated skills that can take into account welfare and the environment

○ Marine Transport Systems

1. Training of marine transport managers who can play an active role in international and domestic logistics management and maritime related fields, with a focus on the ocean.

○ Electronic and Information Technology Systems

1. Cultivation of practical development engineers who can conduct advanced research and development on electronic and information systems

BRIEF HISTORY

Oct. 1,1897	Oshima Seamen's School was founded by Oshima County.
Oct. 1,1897	Mr. Tsunetoku Maki was appointed to the 1st President.
May. 11,1901	Elevated to Oshima Mercantile Marine School of Yamaguchi Prefecture.
May. 11,1901	Mr. Monkichi Sugano was appointed to the 1st President.
Apr. 8,1946	Kagoshima Mercantile Marine School in Kyushu was closed; its students were transferred to Oshima Mercantile Marine School.
Apr. 1,1951	Elevated to Oshima National Mercantile Marine High School.
Apr. 1,1951	Mr. Sotoo Tomioka was appointed to the 1st President.
Jun. 1,1967	Raised to Oshima National College of Maritime Technology with two departments: Nautical Science Dept.(40students) and Marine Engineering Dept.(40students).
Jun.16,1967	Prof. Naoto Samejima was appointed to the 1st President.
Apr. 1,1969	Full number to be admitted to Marine Engineering Dept. was doubled(80students).
Sep.30,1972	The 1st Graduation Ceremony of Oshima National College of Maritime Technology was held.
Apr. 1,1985	Departments were reorganized: Nautical Science Dept.(40students), Marine Engineering Dept.(40students)and Electronic-Mechanical Engineering Dept.(40students).
Apr. 1,1988	Departments were reorganized: Shipping Technology Dept.(40students), Electronic-Mechanical Engineering Dept.(40students) and Information Science and Technology Dept.(40students).
Feb. 3,1990	New college song was born.
Dec. 6,1993	College Training Ship "Oshima-maru"(the 3rd) was launched.
Oct.31,1997	The 100th anniversary and the 30th since its inauguration as a college, Kosen, were celebrated.
Mar.22,2004	Training boat "Subaru" was launched.
Apr. 1,2004	Renamed to National Institute of Technology, Oshima College, according to the new law of Independent Administrative Institution, National Institute of Technology, Japan.
Apr. 1,2005	Advanced Course for Bachelor Degree was established. Marine Transport System (4students),Electronic and Information Technology Systems (8students).
Feb. 8,2008	"Monodukuri-building" (Building for Advanced Course) was completed.
Nov.18,2017	The 120th anniversary and the 50th since its inauguration as a college, Kosen, were celebrated.

大島商船高等専門学校校歌

岡本 暢也 作詞
星野 哲郎 補作
桜田 誠一 作曲

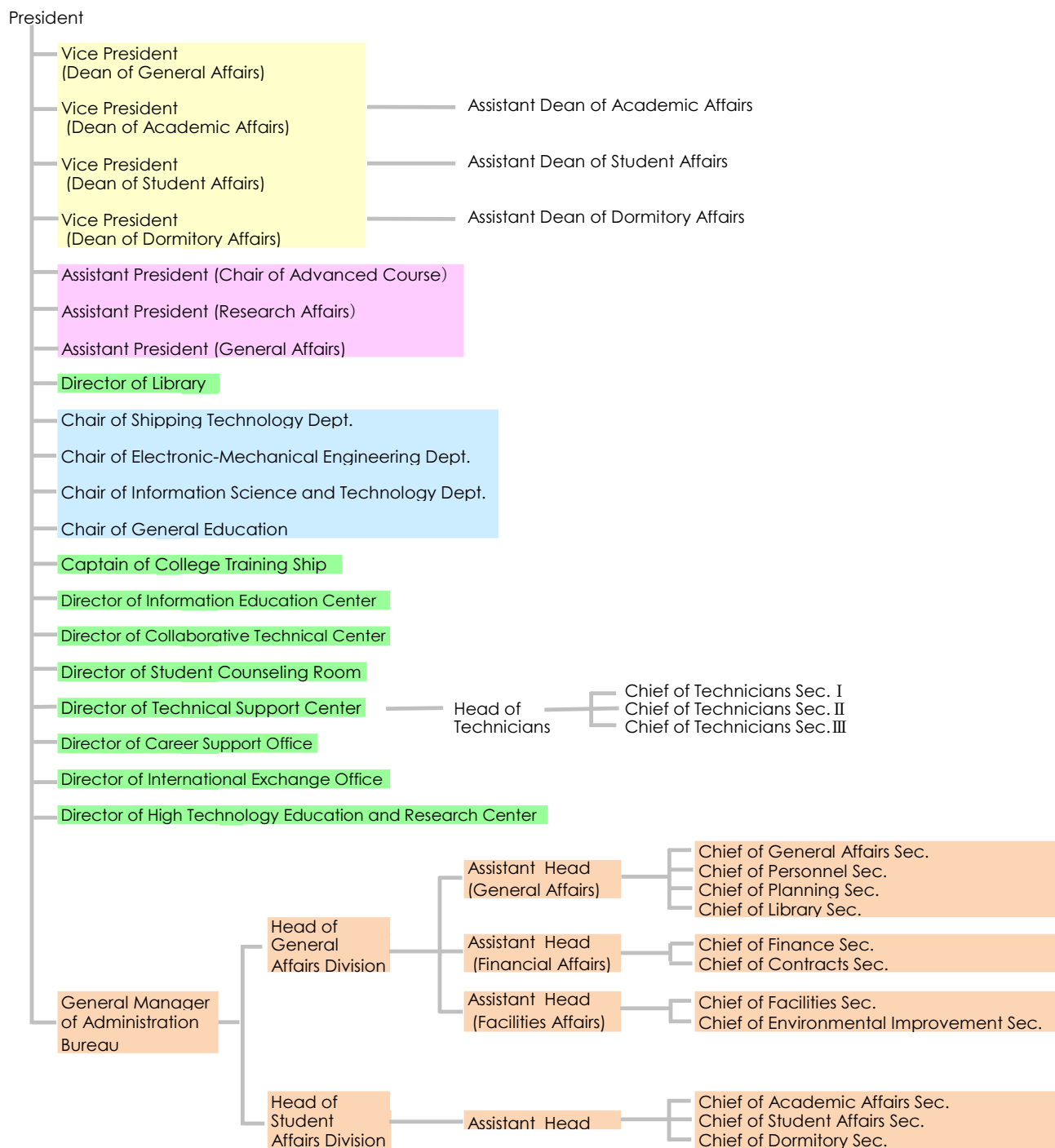


大島商船高等専門学校校歌

- 一、飯のの山は みどりに明けて
向学の士気 麓を囲む
若者たちは 時代をみつめ
世界へ向けて 技を競い
潮の香めぐる 大島の
わが学舎に 望みはたぎる
- 二、笠佐の島に 春かえる日も
鳴門の瀬戸に 秋立つ日にも
若者たちは 真理を究め
未見の我を 磨きだす
この透きとおる 窓の中
惜春の情 あふれてやまず
- 三、七つの海に 命を浮かべ
青春賭けた 伝統の血は
若者たちの 腕を流れ
平和の鐘を うち鳴らす
ロマンを愛す 大島の
祈りははるか 銀河をわたる
- 四、俗塵洗う 琥珀の海に
夕陽はうたう 未来への讃歌
若者たちは 肩くみあって
はてなき夢を 語りあう
コンパスの旗 永久を指し
わが学舎に 理想は宿る

ORGANIZATION

◇ Organization Chart



◇ Administrative Officials

Title	Name
President	FURUSHO Masao
Dean of General Affairs／Vice President (General Affairs)	ISHIHARA Yoshiaki
Dean of Academic Affairs／Vice President (Academic Affairs)	ISHIHARA Yoshiaki
Dean of Student Affairs／Vice President (Student Affairs)	ISHIDA Yoriko
Dean of Dormitory Affairs／Vice President (Dormitory Affairs)	NOMOTO Toshio
Assistant President (Chair of Advanced Course)	SUGINO Tadanori
Assistant President (Research Affairs)	CHIBA Hajime
Director of Library	ASAKAWA Takashi
Chair of Shipping Technology Dept.	CHIBA Hajime
Chair of Electronic-Mechanical Engineering Dept.	SASAKA Hideki
Chair of Information Science and Technology Dept.	YAMADA Hiroshi
Chair of General Education	OKUBO Kenji
Captain of College Training Ship(OSHIMA-MARU)	NAKAMURA Yasuhiro
Captain of College Training Ship(SUBARU)	SUNADA Tomohiro
Director of Information Education Center	TACHIBANA Rie
Director of Collaborative Technical Center	KITAKAZE Hironori
Director of Student Counseling Room	KIMURA Yasuhiro
Director of Technical Support Center	ISHIHARA Yoshiaki
Director of Career Support Office	MAEHATA Kohei
Director of International Exchange Office	KUBOTA Takashi
Director of High Technology Education and Research Center	ASAKAWA Takashi
General Manager of Administration Bureau	FUJITA Katsunori
Head of General Affairs Division	MOURI Yoshitaka
Head of Student Affairs Division	OZAWA Tsuyoshi

◇ Present Numbers of staff

Title	Faculty						Administrative Staff	Grand Total
	President	Professor	Associate Professor	Lecturer	Assistant Professor	Total		
Present Number	1	20	13	5	13	52	42	94

◇ Teaching Staff

Shipping Technology Dept.

Rank	Name	Main Subject in His or Her Charge	Note
Professor Doctor of Engineering	CHIBA Hajime	Maritime Safety, Ocean Management, Marine Environmental Engineering	Assistant President (Research Affairs) ,Chair of Shipping Technology Dept.
Professor Doctor of Science	SHIMIZU Seiji	Control Engineering, Engineering Essentials, Mechanical Design	
Professor Doctor of Philosophy	ISHIDA Yoriko	Maritime English, Oral Communication	Vice President (Dean of Student Affairs)
Professor Doctor of Engineering	PARK Jongdoc	Marine Auxiliary Machinery, Refrigeration & Air Conditioning System	
Professor Doctor of Engineering	KUBOTA Takashi	Navigational Equipment, Radio Navigation	Director of International Exchange Office
Associate Professor Master of Maritime Science	KIMURA Yasuhiro	Marine Architecture, Maritime Safety Advanced	Director of Student Counseling Room
Associate Professor Doctor of Science	KOBAYASHI Kaichiro	Electric and Electronic Engineering, Electric Machinery	
Associate Professor Doctor of Engineering	WATANABE Takeru	Mechanics of Materials, Engineering Mechanics, Metallurgical Engineering	Assistant Dean of Academic Affairs
Lecturer Master of Maritime Science	MAEHATA Kohei	Terrestrial Navigation, Celestial Navigation	Director of Career Support Office , Assistant Dean of Student Affairs
Lecturer Master of Maritime Science	MORIWAKI Chiharu	Marine Meteorology, Maritime Economics, Ocean Management	
Lecturer Doctor of Engineering	MURATA Hiroaki	Ship Handling, Coasting and Ocean Route, Information Literacy	
Lecturer Doctor of Engineering	YAMAGUCHI Kota	Thermal Fluid Dynamics I・II, Steam Engineering, Engine System Engineering	Assistant Dean of Dormitory Affairs
Assistant Professor Master of Engineering	MATSUMURA Tetsuta	Fuel and Lubricating Oil, Instrumentation Engineering, Marine Environmental Engineering	Assistant Dean of Academic Affairs

Training Ship "Oshima-maru"

Rank	Name	Main Subject in His or Her Charge	Note
Associate Professor	NAKAMURA Yasuhiro	Shipboard Practice, Basic Shipping Technology, Maritime Traffic Laws	Captain
Associate Professor MSc(Maritime Affairs)	SUGIMOTO Masahiro	Shipboard Practice, Ship Management, Communication	Chief Engineer
Assistant Professor	URATA Kazuma	Shipboard Practice, Shipboard Maintenance	Chief Officer
Assistant Professor	YAMAGUCHI Shinya	Shipboard Practice, Maritime Laws	First Engineer, Assistant Dean of Dormitory Affairs

Electronic-Mechanical Engineering Dept.

Rank	Name	Main Subject in His or Her Charge	Note
Professor Doctor of Engineering	ASAKAWA Takashi	Applied Programing, Computer Architecture, Fundamental Microcomputer	Director of Library , Director of High Technology Education and Research Center
Professor Doctor of Engineering	MASUYAMA Shinji	Electric Circuit I・II, Digital Circuit, Superconducting Engineering	
Professor Doctor of Engineering	FUJII Masayuki	Fundamentals of Electromagnetics, CAD/CAM, Advanced High Voltage Engineering	Assistant Dean of Academic Affairs
Professor Doctor of Science	SASAKA Hideki	Mechanics of Materials, Dynamics of Machinery, Electromagnetics I	Chair of Electronic-Mechanical Engineering Dept.
Professor Doctor of Engineering	KODA Tetsunori	Metallurgical Engineering, Thermal Dynamics, Applied Physical Science	
Associate Professor Master of Engineering	OKANOCHI Satoru	Mechanical Technology, Robot Engineering, Electric Control Engineering	
Associate Professor Doctor of Engineering	MATSUBARA Takashi	Electromagnetics II, Control Engineering, Digital System	Assistant Dean of Academic Affairs
Associate Professor Doctor of Engineering	NAKAMURA Tsubasa	Instrumentation Engineering, Applied Physics, Electric Equipment Engineering	
Associate Professor Doctor of Engineering	HIRATA Takuya	Electronic Circuit, Robot Engineering II, Sensor Engineering	Assistant Dean of Student Affairs
Assistant Professor Doctor of Engineering	KOBAYASHI Kokoro	Basic Programming, Applied Programming, Digital Signal Processing	

Information Science and Technology Dept.

Rank	Name	Main Subject in His or Her Charge	Note
Professor Doctor of Information economics	ISHIHARA Yoshiaki	Mathematical Programming, Production Control, Reliability Engineering	Vice President (Dean of General Affairs), Vice President (Dean of Academic Affairs) Director of Technical Support Center
Professor Doctor of Engineering	SUGINO Tadanori	Digital Image Processing, Control Engineering, Computer Graphics	Assistant President (Chair of Advanced Course)
Professor Doctor of Engineering	YAMADA Hiroshi	Fundamentals of Electric Circuits, Analog Electronics Circuits, Digital Electronics Circuits	Chair of Information Science and Technology Dept.
Professor Doctor of Science	KITAKAZE Hironori	Information Mathematics, Information Theory Computer Architecture I	Director of Collaborative Technical Center
Associate Professor Doctor of Engineering	TACHIBANA Rie	Programming I, Statistics, Numerical Computation	Director of Information Education Center
Associate Professor Doctor of Engineering	MATSUMURA Ryo		
Lecturer Master of Engineering	TAKAHASHI Yoshiaki	Computer Networks, Communication Engineering, Computer Architecture II	Assistant Dean of Academic Affairs
Assistant Professor Master of Engineering	KAITA Takeshi	Information Engineering Practice, Pattern Analysis and Recognition	
Assistant Professor Master of Engineering	OZAKI Nanto	Image Engineering, Technical English	Assistant Dean of Student Affairs
Assistant Professor Master of Engineering	SHIGEMOTO Masaya	Data Structure and Algorithm	
Non-regular Professor Master of Engineering	OKAMURA Kenshiro	Programming Language III, Operating System, System Program	

General Education

Rank	Name	Main Subject in His or Her Charge	Note
Professor Master of Laws	NOMOTO Toshio	Law, Politics and Economics, Corporate Legal Affairs	Vice President (Dean of Dormitory Affairs)
Professor Master of Language Science	IGUCHI Tomoaki	Comprehensive English, Inter-Cultural Studies, Practical English	
Professor Master of Health and Sport Sciences	KOTA Mitsuhiro	Health and Physical Education, Volunteer	Assistant Dean of Dormitory Affairs
Professor Master of Japanese Literature	OKUBO Kenji	Japanese, Japanese Literature, Introduction to Japanese Literature	Chair of General Education
Professor Doctor of Engineering	SUGIMURA Yoshiaki	Chemistry, Integrated Science, Environmental Science	
Professor Doctor of Philosophy	USHIMI Masahiro	Japanese, Japanese Linguistics	
Associate Professor Doctor of Philosophy	SHIMADA Yuichiro	World History, Japanese History, Global Cultural Studies	
Associate Professor Doctor of Science	SUETSUGU Ryo	Physics, Applied Physics I	
Assistant Professor Doctor of Science	OHARA Mariko	Mathematics, Advanced Course of Applied Mathematics I II	Assistant Dean of Dormitory Affairs
Assistant Professor Doctor of Science	SHIMARU Naoto	Mathematics	Assistant Dean of Dormitory Affairs
Assistant Professor Master of Education	YOSHIZUMI Yuri	Health and Physical Education	
Assistant Professor Doctor of Science	ISOBE Ryotaro	Mathematics	Assistant Dean of Academic Affairs
Assistant Professor Master of Science	TAYLOR Joji	Mathematics, Applied Mathematics, Applied Physics II	
Assistant Professor Master of Education	NAKAHARA Mizuki	Comprehensive English, Technical English	Assistant Dean of Student Affairs
Non-regular Professor Master of Science	IWAMOTO Toshihiko	Mathematics	

DEPARTMENTS

◆ SHIPPING TECHNOLOGY DEPARTMENT

Shipping Technology Department is composed of two courses: Nautical Science Course and Marine Engineering Course, and the students study common subjects until the second grade and are divided into two courses at the third grade to study specialized field. In recent years, vessels are increasing in size, speed, and automated. We aim to nurture the practical maritime Specialist with the expertise and the applicability by teaching the latest and advanced maritime knowledge in addition to the general engineering basis. Therefore, they learn a wide range of knowledge relating to their specialty in our curriculum.

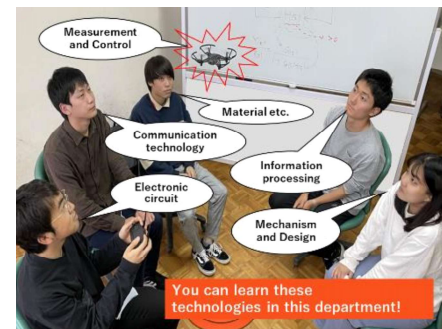


The first step seamanship training by Cutter boat rowing for new students.

◆ ELECTRONIC-MECHANICAL ENGINEERING DEPARTMENT

Electronics and computer technology have been rapidly developing in recent years. With this progress, the functions of mechanical devices have been remarkably improved. The one of the typical examples is a robot.

The curriculum is thus prepared for the students to make a chief study of the two fields: "electricity and electronics" and "mechanism and mechanics". Information processing and other related subjects are also provided, from both theoretical and practical sides, as basic essentials to the mechatronics engineers in the new era.



Relationship between learning technologies in this department and robots such as drones

◆ INFORMATION SCIENCE AND TECHNOLOGY DEPARTMENT

The Japanese industrial field has been developing to meet with ICT (Information and Communications Technology) where information and communication technology are highly related each other. However, we are facing problems, such as a lack of highly qualified professionals who can deal with information systems adequately, and we have a necessity to upgrade the level of technological abilities of software engineers.

This department has an educational philosophy of "Training engineers for the advanced ICT society." We provide a wealth of professional knowledge centered on information processing and information communication. We also incorporate many creative exercises and active training to develop flexible system design skills.



Learning video production in cooperative manner using KJ method

◇ GENERAL EDUCATION

General Education is organized to produce the excellent engineer who has a broad view of things, and to provide the basic knowledge and skill.

It is considered to keep the minute connection to the specific education by organizing classes in lower grades so students can learn efficiently.



The scenery of chemistry class

◇ ADVANCED COURSES for Bachelor Degree

○ Marine Transport Systems

This course aims to nurture highly qualified global specialists in the field of international and domestic physical distribution. Recently, management department like the ship operation control and the maritime transport systems plays more important role in the shipping industry. The ship operation control contains operation control and engine management. In this course students can learn shipping technology and maritime transport systems as compulsory subjects. Then they are required to select operation control or engine management so that they can acquire the skill of shipping operation control and engine management.

After graduating from colleges students can be given the advanced subjects and they may obtain a bachelor's degree from the National Institution for Academic Degrees and Quality Enhancement of Higher Education.



Exercise using a design drawing of a ship

○ Electronic and Information Technology Systems

This course aims to produce highly qualified specialists who can research into Electronics, Information Technology and Mechatronics. Students can acquire sophisticated knowledge and skills about electronics and control systems, information and communication network. The students can enhance the skill of practical research and development capability with the talent of these interdisciplinary areas, and the skill of language to the globalization. Moreover, they will get the comprehensive ability to support the local communities where the society has been facing problems such as the depopulation and aging to contribute to the social systems considering environment and an energy problem.

Students take advanced subjects after graduating from colleges and may obtain a bachelor's degree from the National Institution for Academic Degrees and Quality Enhancement of Higher Education.



Presentation of Creative Engineering

CURRICULUM

◇ Liberal Arts Subjects

● Shipping Technology Department

Subjects		Number of Credits	Credits of Grades				
			1st	2nd	3rd	4th	5th
Required Subjects	Japanese I	2	2				
	Japanese II	2	2				
	Japanese III	4		2	2		
	World History	2	2				
	Japanese History	2		2			
	Geography	1	1				
	Ethics and Social Science	2		2			
	Politics and Economics	2			2		
	Law	1				1	
	Philosophy	1					1
	Business Administration	2					2
	Global Cultural Studies	2					2
	Mathematics 1	4	4				
	Mathematics 2	2	2				
	Mathematics 3	4		4			
	Mathematics 4	2		2			
	Mathematics 5	4			4		
	Mathematics 6	2			2		
	Physics	4	2	2			
	Chemistry	4	2	2			
	Integrated Science	1	1				
	Comprehensive English	9	3	3	3		
	English Communication	4	2	2			
	English Composition	2			2		
	Advanced English	1				1	
	Maritime English	2					2
	Health and Physical Education	9	2	2	2	1	2
	Art (Music or Fine Arts)	1	1				
	Necessary Credits	78	26	23	17	3	9
Elective Subjects	Second Foreign Language	2					2
	Technical English	2					2
	Japanese Language and Culture	2					2
	Total of Elective Credits	6					6
	Necessary Credits	0					0
Total of Necessary Credits for Graduation		78	26	23	17	3	9

● Electronic-Mechanical Engineering Department

● Information Science & Technology Department

Subjects		Number of Credits	Credits of Grades				
			1st	2nd	3rd	4th	5th
Required Subjects	Japanese I	2	2				
	Japanese II	2	2				
	Japanese III	4		2	2		
	World History	2	2				
	Japanese History	2		2			
	Geography	1	1				
	Ethics and Social Science	2		2			
	Politics and Economics	2			2		
	Law	1				1	
	Philosophy	1				1	
	Business Administration	2					2
	Global Cultural Studies	2					2
	Mathematics 1	4	4				
	Mathematics 2	2	2				
	Mathematics 3	4		4			
	Mathematics 4	2		2			
	Mathematics 5	4			4		
	Mathematics 6	2			2		
	Physics	4	2	2			
	Chemistry	4	2	2			
	Integrated Science	1	1				
	Comprehensive English	8	3	3	2		
	English Communication	4	2	2			
	English Composition	2			2		
	Advanced English	2				2	
	Health and Physical Education	10	2	2	2	2	2
	Art (Music or Fine Arts)	1	1				
	Necessary Credits	77	26	23	16	6	6
Elective Subjects	Second Foreign Language	2				2	
	Technical English	2				2	
	Japanese Language and Culture	2				2	
	Total of Elective Credits	6				6	
	Necessary Credits	2				2	
Total of Necessary Credits for Graduation		79	26	23	16	8	6

◆ Major Course Subjects

● Shipping Technology Department

Subjects			Number of Credits	Credits of Grades						
				1st	2nd	3rd	4th	5th		
Required Subjects	Basic	Information Literacy	3	2	1					
		Naval Architecture	2		1	1				
		Electric and Electronic Engineering I	2		2					
		Thermal Fluid Dynamics I	2		2					
		Engineering Essentials	2		2					
		Control Engineering	2			1	1			
		Basic Shipping Technology	2	2						
		Ship Management	2					2		
		Applied Mathematics	2					2		
		Graduation Studies	6					6		
	Nautical Science Course	Terrestrial Navigation	2			2				
		Celestial Navigation	2				2			
		Nautical Instrument	2			2				
		Radio Navigation	2				2			
		Navigational Exercise	2				1	1		
		Coasting and Ocean Route	2				1	1		
		Ship Handling	2			1	1			
		Marine Meteorology	2			2				
		Shipboard Maintenance	2				1	1		
		Cargo Management	2			1	1			
		Maritime Traffic Laws	2			2				
		Maritime Laws	2				1	1		
		Navigation English	3			2		1		
		Oral Communication	1					1		
		Onboard Training	5	1	1	1	1	1		
		Shipboard Practice	5	1	1	1	1	1		
		Experiments and Practice	8	2	2	2	2			
		the required number of credits for Nautical Science Course			71	8	12	18	15	18
		Marine Engineering Course	Internal Combustion Engine	4				2	2	
	Steam Engineering		3				1	1	1	
	Marine Auxiliary Machinery		3					2	1	
	Electric and Electronic Engineering II		2				2			
	Electric Machinery		2					2		
	Thermal Fluid Dynamics II		2						2	
	Engineering Mechanics		2				2			
	Mechanics of Materials		2					2		
	Metallurgical Engineering		2				2			
	Fuel and Lubricating Oil		1						1	
	Instrumentation Engineering		1						1	
	Design and Drawing		2				1	1		
	Maritime Laws		1						1	
	Marine Engineering English		2				2			
	Oral Communication		1						1	
	Onboard Training		5	1	1	1	1	1	1	
	Shipboard Practice		5	1	1	1	1	1	1	
	Experiments and Practice		8	2	2	2	2	2		
	the required number of credits for Marine Engineering Course			73	8	12	18	15	20	
Elective Subjects	Basic	Maritime Safety	2					2		
		Maritime Economics	2					2		
		Energy Plant Management	2					2		
		Environmental Instrumentation Engineering	2					2		
		Internship	1				1			
	Total of Elective Credits		9				1	8		
	Necessary Credits		4				0	4		
minimum number of required credits in compulsory subjects for Nautical Science Course			75	8	12	18	15	22		
minimum number of required credits in compulsory subjects for Marine Engineering Course			77	8	12	18	15	24		
Shipboard Training under the National Institute for Sea Training			12 months							
			Number of Credits	Credits of Grades						
				1st	2nd	3rd	4th	5th		
Total of Credits(Technical Subjects)			N 75 E 77	8	12	18	15	N 22 E 24		
Total of Credits(Liberal Arts)			78	26	23	17	3	9		
Total of Credits to be Completed			N 153 E 155	34	35	35	18	N 31 E 33		

N :Nautical Science Course, E :Marine Engineering Course

● **Electronic-Mechanical Engineering Department**

Subjects		Number of Credits	Credits of Grades				
			1st	2nd	3rd	4th	5th
Required Subjects	Basic Design	2	2				
	Creative Engineering	1		1			
	Mechanical Technology	2		2			
	Mechanical Design	2			2		
	Metallurgical Engineering	2			2		
	Engineering Mechanics	2			2		
	Measurement Engineering	2			2		
	Mechanics of Materials	2				2	
	Mechanics of Materials Seminar	1				1	
	Control Engineering	2				2	
	Thermodynamics	2				2	
	Fluid Dynamics	2				2	
	Industrial Electronic-Machines	2				2	
	Dynamics of Machinery	2					2
	Fundamentals of Electromagnetics	2		2			
	Electromagnetics I	2			2		
	Electronic Circuit	2			2		
	Electric Circuit I	2			2		
	Digital Circuit	2				2	
	Digital Signal Processing	2				2	
	Electromagnetics II	2				2	
	Sensor Engineering	2				2	
	Electrical Machine	2					2
	Electric Circuit II	2					2
	Information Literacy	2	2				
	Basic Programming	2		2			
	Applied Programming	2			2		
	Numerical Calculation	2				2	
	Embedded System	2					2
	Applied Physics	2					2
	Applied Mathematics	2				2	
	Technical English	2					2
	Mechatronic-Electronic Practice	2					2
	Engineering Seminar	1				1	
	Engineering Experiments	8	2	2	2	2	
	Graduation Studies	8					8
	Necessary Credits	81	6	9	18	26	22
Elective Subjects	Materials of Machines	2				2	
	Information Processing Seminar	2				2	
	System Control Engineering	1					1
	Advanced Course I (Mechatronic-Electronic)	1					1
	Advanced Course II (Mechatronic-Electronic)	1					1
	Advanced Course III (Mechatronic-Electronic)	1					1
	Radio system	1					1
	Computer Aided Design/Computer Aided Manufactur	1					1
	Robotics	1					1
	Communication Systems	1					1
	Digital and Analog Integrated Circuits	1					1
	Information Security Management	1					1
	Digital Image Processing	1					1
	Internship	2				1	1
	Total of Elective Credits	17				5	12
	Necessary Credits	8				2	6
Total of Necessary Credits for Graduation		89	6	9	18	28	28
		Number of Credits	Credits of Grades				
			1st	2nd	3rd	4th	5th
Total of Credits(Technical Subjects)		89	6	9	18	28	28
Total of Credits(Liberal Arts)		79	26	23	16	8	6
Total of Credits to be Completed		168	32	32	34	36	34

● Information Science & Technology Department

Subjects		Number of Credits	Credits of Grades				
			1st	2nd	3rd	4th	5th
Required Subjects	Information Literacy	2	2				
	Introduction to Information Technology	2		2			
	Information Mathematics	2			2		
	Information Theory	2				2	
	Data Structure and Algorithm	2				2	
	Mathematical Programming	2				2	
	Operations Research	2					2
	Programming I	2	2				
	Programming II	2		2			
	Programming III	2			2		
	System Program	2					2
	Computer Architecture I	2			2		
	Computer Architecture II	2				2	
	Operating System	2				2	
	Database	2				2	
	Computer Networks	2				2	
	Information Security	2				2	
	Communication Engineering	2					2
	Software Engineering	2					2
	Signal Processing	2					2
	Image Engineering	2			2		
	Computer Graphics	2				2	
	Fundamentals of Electric Circuits	2		2			
	Analog Electronics Circuits	2			2		
	Digital Electronics Circuits	2				2	
	Control Engineering	2				2	
	Statistics	2			2		
	Applied Mathematics	2				2	
	Applied Physics I	2			2		
	Technical English	2					2
	Information Engineering Practice	2		1			1
	Practice of Information Technology Education	1			1		
	Creation and Research Practice I	1		1			
	Creation and Research Practice II	1				1	
	Creation and Research Practice III	1					1
	Engineering Experiments	8	2	2	2	2	
	Graduation Research	8					8
Necessary Credits		82	6	10	17	27	22
Elective Subjects	Applied Physics II	2				2	
	Production Control	2				2	
	Numerical Computation	1					1
	Computer Analysis Method	1					1
	Pattern Analysis and Recognition	1					1
	Engineering Mechanics	1					1
	Reliability Engineering	1					1
	Information Security Management	1					1
	Communication Systems	1					1
	Computer Aided Design/Computer Aided Manufactur	1					1
	Digital and Analog Integrated Circuits	1					1
	Radio System	1					1
	System Control Engineering	1					1
	Robotics	1					1
	Advanced Course of Information Science I	1					1
	Advanced Course of Information Science II	1					1
	Advanced Course of Information Science III	1					1
	Internship	2				1	1
Total of Elective Credits		21				5	16
Necessary Credits		6				2	4
Total of Necessary Credits for Graduation		88	6	10	17	29	26

	Number of Credits	Credits of Grades				
		1st	2nd	3rd	4th	5th
Total of Credits(Technical Subjects)	88	6	10	17	29	26
Total of Credits(Liberal Arts)	79	26	23	16	8	6
Total of Credits to be Completed	167	32	33	33	37	32

◆ Subjects in ADVANCED COURSES

● Major Course in Advanced Course of Marine Transport Systems

Classification		Required or Elective	Subjects	Number of Credits	Credits of Grades	
					1st	2nd
Liberal Arts Subjects		Required	Practical English I	2	2	
			Necessary Credits	2		
		Elective	Volunteer	1	1	
			Practical English II	2	2	
			Inter-Cultural Studies	2	2	
			Engineering Ethics	2	2	
			Introduction to Japanese Literature	2	2	
			Total of Elective Credits	9		
		Necessary Credits	Over 4. (excluding Volunteer)			
Major Course Subjects	Basic	Required	Practical English	2	2	
			Advanced Course of Applied Mathematics I	2	2	
			Computer Simulation	2	2	
			Necessary Credits	6		
		Elective	Advanced Course of Applied Mathematics II	2	2	
			Applied Physical Science	2	2	
			Environmental Science	2	2	
			Materials Science	2	2	
			Advanced Course of Numerical Analysis	2	2	
			Mechanical System Engineering	2		2
			Electric Equipment Engineering	2	2	
			Information System	2	2	
			Energy System	2		2
			Theory of Industry	2		2
			Total of Elective Credits	20		
			Necessary Credits	Over 10.		
	Specialized	Required	Thesis Work I	4	4	
			Thesis Work II	12		12
			Particular Experiments	4	4	
			Particular Laboratory	4	2	2
			Necessary Credits	24		
		Elective	Internship	2	2	
			Traffic System Engineering	2	2	
			Marine Statistics	2	2	
			Marine Robotics	2		2
			Management of Propulsive Engine for Marine	2	2	
			Maritime Safety Advanced	2	2	
			Terminal Planning	2		2
			Advanced Ship Maneuvering	2		2
			Human Interface of Shipping	2	2	
			Energy Conversion Engineering	2	2	
			Reaction Engineering	2		2
			Refrigeration & Air Conditioning System	2		2
			Combustion Engineering Advanced	2		2
	Advanced Information Engineering	2	2			
	Total of Elective Credits	28				
			Necessary Credits	Over 16. (excluding Internship)		
Total of All Credits				89		
Total of Necessary Credits for Graduation				Over 62. (excluding Volunteer and Internship)		

● Major Course in Advanced Course of Electronic & Information Technology Systems

Classification		Required or Elective	Subjects	Number of Credits	Credits of Grades	
					1st	2nd
Liberal Arts Subjects		Required	Practical English I	2	2	
			Necessary Credits	2		
		Elective	Volunteer	1	1	
			Practical English II	2		2
			Inter-Cultural Studies	2	2	
			Engineering Ethics	2	2	
			Introduction to Japanese Literature	2	2	
			Total of Elective Credits	9		
Necessary Credits	Over 4. (excluding Volunteer)					
Major Course Subjects	Basic	Required	Practical English	2	2	
			Advanced Course of Applied Mathematics I	2	2	
			Computer Simulation	2	2	
			Necessary Credits	6		
		Elective	Advanced Course of Applied Mathematics II	2	2	
			Applied Physical Science	2	2	
			Environmental Science	2		2
			Materials Science	2		2
			Advanced Course of Numerical Analysis	2	2	
			Mechanical System Engineering	2	2	
			Electric Equipment Engineering	2		2
			Information System	2	2	
			Energy System	2		2
			Theory of Industry	2		2
			Total of Elective Credits	20		
			Necessary Credits	Over 10.		
	Specialized	Required	Thesis Works I	4	4	
			Thesis Works II	12		12
			Experiments of Electronics & Information System	4	4	
			Creative Engineering Exercise	2	2	
			Advanced Course of Electronics and Information Systems	2		2
			Necessary Credits	24		
		Elective	Internship	2	2	
			Image Processing	2		2
			Electronic Physical Properties Engineering	2	2	
			Integrated Circuits Physics & Technology	2	2	
			Advanced High Voltage Engineering	2		2
			Electric Control Engineering	2	2	
			Digital System	2	2	
			Multimedia Applied Technology	2	2	
			Applied Image Engineering	2	2	
			Network Technology	2	2	
			Pattern Recognition	2		2
			Applied Signal Processing	2	2	
			Advanced Course of Production Control	2	2	
			Human System Engineering	2		2
			Total of Elective Credits	28		
			Necessary Credits	Over 16. (excluding Internship)		
Total of All Credits			89			
Total of Necessary Credits for Graduation			Over 62. (excluding Volunteer and Internship)			

STUDENTS

◇ Numbers of Regular Students

● Capacity

		Admission Capacity	
		Annual Capacity	Enrollment Capacity
Department	Shipping Technology	40	240
	Electronic-Mechanical Engineering	40	200
	Information Science & Technology	40	200
	Total	120	640
Advanced Course for Bachelor Degree	Marine Transport Systems	4	8
	Electronic & Information Technology Systems	8	16
	Total	12	24

● The current number of regular students

(April 6, 2022)

Grade		Departments						Advanced Courses		Total
Department		1st	2nd	3rd	4th	5th	Trainee	1st	2nd	
Shipping Technology		39	42	39	36	34	37			227
	male	34	34	37	30	32	34			201
	female	5	8	2	6	2	3			26
Electronic-Mechanical Engineering		41	40	39	45	43				208
	male	31	36	31	39	41				178
	female	10	4	8	6	2				30
Information Science & Technology		40	40	42	48	40				210
	male	24	28	25	34	23				134
	female	16	12	17	14	17				76
Marine Transport Systems								2	1	3
	male							1	1	2
	female							1	0	1
Electronic & Information Technology Systems								14	14	28
	male							12	13	25
	female							2	1	3
Total		120	122	120	129	117	37	16	15	676
	male	89	98	93	103	96	34	13	14	540
	female	31	24	27	26	21	3	3	1	136

◇ Numbers of Students by Prefectures

Native junior high school location	1st			2nd			3rd			4th			5th			6th			Shipping Technology Department	Electronic-Mechanical Engineering Department	Information Science & Technology Department	Total		
	male	female	total	male	female	total	male	female	total	male	female	total	male	female	total	male	female	total				male	female	total
Hokkaido				1		1													1			1	0	1
Gunma prefecture				1		1														1		1	0	1
Saitama prefecture	1		1																1			1	0	1
Chiba prefecture										1	1									1		0	1	1
Kanagawa prefecture										2		2	1		1				1		2	3	0	3
Kyoto				1		1							1		1				1	1		2	0	2
Osaka							2		2	1		1							3			3	0	3
Hyogo Prefecture	1		1	1		1	1		1										2	1		3	0	3
Wakayama prefecture													1		1					1		1	0	1
Okayama prefecture							1		1										1			1	0	1
Hiroshima prefecture	6		6	4		4	9		9	2	1	3	9		9	1	1	2	16	10	7	31	2	33
Yamaguchi prefecture	76	31	107	79	22	101	71	26	97	85	22	107	69	21	90	19	1	20	137	188	197	399	123	522
Ehime prefecture							3		3				1		1	1	1		4		1	5	0	5
Fukuoka prefecture				6	2	8	2		2	8		8	7		7	6	1	7	31	1		29	3	32
Saga prefecture							1		1										1			1	0	1
Nagasaki prefecture	1		1	2		2	1		1	2		2	3		3	1	1		10			10	0	10
Kumamoto prefecture	1		1	1		1										2		2	4			4	0	4
Oita prefecture				2		2				1	1	2	2		2	3		3	9			8	1	9
Miyazaki prefecture										1	1								1			0	1	1
Kagoshima prefecture	1		1				1		1							1		1	3			3	0	3
Okinawa prefecture	1		1																1			1	0	1
Korea	1		1																	1		1	0	1
Philippines							1		1											1		1	0	1
Vietnam										1		1								1		1	0	1
Cambodia(International student)													1		1						1	1	0	1
Mongolia(International student)							1		1				1		1					1	1	1	1	2
Tunisia(International student)										1		1									1	1	0	1
Total	89	31	120	98	24	122	93	27	120	103	26	129	96	21	117	34	3	37	227	208	210	513	132	645

◇ Numbers of Applicants and Students Admitted

● Department

Students year	Applicants	Students Admitted	Departments		
			Shipping Technology	Electronic- Mechanical Engineering	Information Science & Technology
2018	293	132	42	47	43
2019	253	133	40	47	46
2020	249	126	43	40	43
2021	201	120	40	40	40
2022	220	120	39	41	40

● Advanced Course for Bachelor Degree

Students year	Applicants	Students Admitted	Advanced Course	
			Marine Transport Systems	Electronic & Information Technology Systems
2018	20	19	4	15
2019	18	17	1	16
2020	12	10	2	8
2021	18	15	1	14
2022	16	16	2	14

◇ Scholarships

Results of 2021

Department Century Gothic	Shipping Technology	Electronic-Mecha- nical Engineering	Information Sci- ence&Technology	Marine Trans- port Systems	Electronic & Information Technology Systems
Benefit-type scholarship					
Umeki Nobuko Scholarship	12(8)	-	-	-	-
Japan Student Services Organization	19(8)	6(2)	9(1)	1	1
Others	2(1)	1	-	-	1
Loan (Interest free)					
Japan Student Services Organization	11(4)	6(2)	4(1)	-	-
Japan Maritime Scholarship Foundation	27(11)	-	-	-	-
All Japan Seamen's Union ・ International Mariners Management Association of Japan	21(8)	-	-	-	-
Kondo Maline Memorial Foundation	1	-	-	-	-
Others	9(2)	5	3	-	-
Loan (Interest)					
Japan Student Services Organization	1	1	-	-	2

() : Multiple scholarship recipients

◇ Employment and Entrance into Universities

● Status of University Transfer Admissions and Advanced Course Admissions

		Year			2017			2018			2019			2020			2021		
		Department			S	M	I	S	M	I	S	M	I	S	M	I	S	M	I
National	University																		
	The University of Tokyo																1		
	University of Tsukuba									1									
	Tokyo University of Marine Science and Technology				1								2						
	Nagaoka University of Technology																3		
	Toyohashi University of Technology					3	1	1	1		2			2	1		1		
	Kobe University							1			1			1			2		
	Shimane University								1										
	Okayama University								1										
	Hiroshima University							1											
	Yamaguchi University								2		1								
	Kyusyu Institute of Technology						2		2	1					2		1	1	
	Saga University					1													
	Kumamoto University													1					
	University of Miyazaki								1										
Private	Ritsumeikan University									1									
Subtotal					1	4	3	3	7	3	1	3	1	3	3	3	2	6	1
Advanced Course	National Institute of Technology(KOSEN), Oshima College				2	10	5	3	9	7	1	4	3	2	5	9	1	2	11
	National Institute of Technology(KOSEN), Toba College													1					
Total					3	14	8	6	16	10	2	7	4	6	8	12	3	8	12

S : Shipping Technology Department

M: Electronic-Mechanical Engineering Department

I : Information Science & Technology Department

● Credit Status for Graduates in September 2021 and March 2022

Advanced Course	Numbers of Graduate	Credit Recipients
Marine Transport Systems	1	1
Electronic&Information Technology Systems	8	8

● Employment Situation of Graduates according to Industrial Categories
(Graduates in 2021 Academic Year)

Departments		Shipping Technology Dept.	Electronic- Mechanical Engineering Dept.	Information Science & Technology Dept.	Total	Marine Transport Systems	Electronic and Information Technology Systems	Total
Graduates		41	41	39	121	1	8	9
Going on to Univ.		3	8	12	23	1	7	8
Employed		38	32	24	94	0	1	1
Others		0	1	3	4	0	0	0
Mining					0			0
Construction			1	2	3			0
Manufacturing	Food Products/Drink				0			0
	Textile Products				0			0
	Publishing/Printing				0			0
	Chemical/Petroleum		7		7			0
	Steel/ Non-ferrous/ Metal Products			1	1			0
	Manufacturing/ Duties Industry Machine Production	2	6	1	9			0
	Electronic parts				0			0
	Electrical/ Information communication	1	5	2	8			0
	Transportation Machinery		2	2	4			0
	Others				0			0
Electric/ Gas/ Water Supply			5		5			0
Information communication				9	9		1	1
Transport/ Post office		35	1	2	38			0
Wholesale/ Retail sale			1	1	2			0
Finance/ Insurance					0			0
Service	Academic/ Research				0			0
	Medical/ Welfare				0			0
	Others			2	2			0
Education	School Education			1	1			0
	Others				0			0
Official Duties	National Civil Servant			1	1			0
	Local Civil Servant		1		1			0
Self-employed					0			0
Others			3		3			0

◇ Dormitory

Dormitory consists of three residential sections: “Nan-ryo” for male students(1st-5th year), “Chu-ryo” for senior and foreign male students and “Joshi-ryo” for female students(1st-5th year).

Residence in the dormitory is open to students (of all years) whose commute to school would be two hours or more. Each of them is expected to promote friendship, self-reliance, a co-operative spirit, and a sense of responsibility by living together with others.

Various activities such as a welcome party, Xmas party, and so on are held place by the dormitory student council.



“Nan-ryo” for male students



Dining hall

● Current Number of Boarders

(April 5, 2022)

Grade Department	1st	2nd	3rd	4th	5th	Subtotal	Overseas Student	Total
Shipping Technology D.	20	23	23	28	23	117		117
Electronic-Mecanical Engineering D.	8	9	4	8	7	36	1	37
Information Science & Technology D.	7	5	5	2	2	21	3	24
Total	35	37	32	38	32	174	4	178
Advanced Course	2	2				4	1	5

● Dormitories Expenche(per month)

(April 5, 2022)

Accommodation fee	the lodging cost for the dormitory	Single room 800yen Shared room 700yen
Maintenance fee	the cost for the electricity, water, gas, heating and etc.	7,800 yen
Meal fee	the food cost and the kitchen maintenance cost	37,350 yen
Residence fee	the fee for conducting activities for all dormitory residence	100 yen

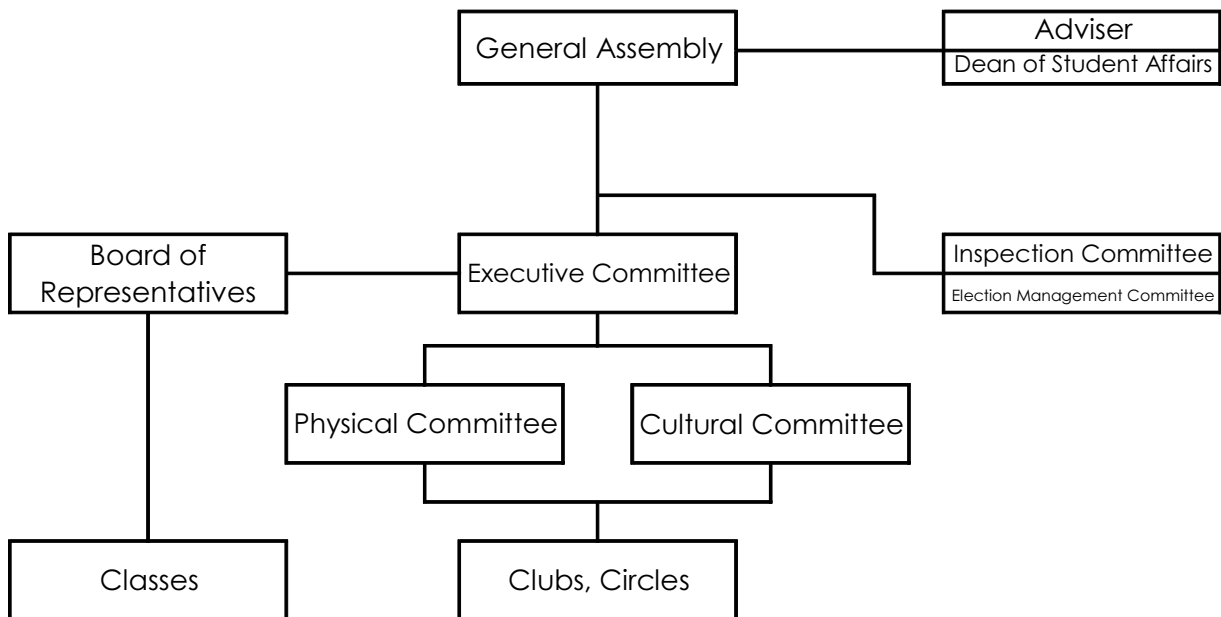
◇ Student Council

The students lead an autonomous life based on freedom and order for five years on campus.

Under the students council which consists of all the students, there are many culture and sports clubs for them to join. Almost all the students are active in one or two of them.

The sports clubs obtain fine results in the Intercollegiate Athletic Meet and other meets every year, while the culture clubs present their accomplishments at the annual college festival, 'Shosen-sai' in autumn and at other special events.

● Organization of Student



● The Clubs

Sports Clubs	Cutter	Yachting	Rugby
	Soccer	Basketball	Volleyball
	Baseball	Soft Tennis	Table Tennis
	Athletics	Judo	Kendo
	Swimming	Badminton	
Cultural Clubs	Brassband	English Speaking Society	Shigin
	Computer	Popular Music	Photography
	Robot Study		
Circles	Astronomy	Tea Ceremony	Karate & Shorin-ji kempo
	Japanese Drums	Art	PWC Rescue Party

LIBRARY

Our library is equipped with approximately 76,000 books and other materials, which can be freely used for general education, study of specialized subjects, graduation research, and faculty research activities. In addition to the regular collection, the library has sections for recommended books by each department, special books such as "Life" and "Disaster Prevention," magazines, DVDs, and information searches.

Moreover, the library also has access to the services of the National Diet Library and photocopying and borrowing services (on-campus only, some for a fee) to outside libraries such as other universities and technical colleges. The library is also open to the general public for recurrent education and lifelong learning.

Open: 9:00-19:00 (Weekdays) 13:00-17:00 (Saturday) ※However, during long holidays 9:00-17:00 (Weekdays only)	Closed: Sundays • National holidays Saturdays during student holidays Special holiday • New year's holidays ※Our library will be closed during the period when students are on home leave.
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● State of Book Stock (March 31, 2022)

Classification	Japanese	Foreign
General Works	3,893	236
Philosophy	2,723	47
History	5,484	60
Social Science	8,005	57
Natural Science	12,281	787
Engineering	19,907	590
Industry	1,983	32
Arts	2,997	39
Language	3,233	399
Literature	13,254	546
Others	290	130
Total	74,050	2,923

Japanese Journals	44
Foreign Journals	1
Audiovisual Materials	191



Repair work completed in 2020



Library

COLLEGE TRAINING SHIPS

● Training Ship "Oshima-maru"

Shipyard.	Mitsubishi Heavy Industries Shimonoseki Shipyard		
Launch date	September 9, 1993		
Ship Name	JK5169		
Navigation area	Generator Coasting Area (Limited A 2 Area)		
Gross Tonnage	228 tons		
Dimensions	Length	Width	Depth
	41.0 m	7.6 m	3.5 m
Main Engine	1 Diesel Engine (1300ps/370rpm)		
Maximum Trial Speed/Speed	13.69knot/12.50knot		
Cruising Distance	Approx. 2,100 n-miles		
Capacity	Crew	Others	Total
Maximum Capacity	9	49	58
Capacity of Temporary Navigation (Less than 3 hours)	9	90	99



● Training Boat 「Subaru」

Dimensions	Length	Width	Depth
	14.5 m	4.1 m	2.3 m
Gross Tonnage	14 tons		
Capacity	Crew	Others	Total
In Practice	1	23	24
In Traffic	1	14	15

● Other Boats

Sailboats	14
Cutters	5
Small Boats	3
Lifeboat (for practice)	1
Personal Water Craft	3



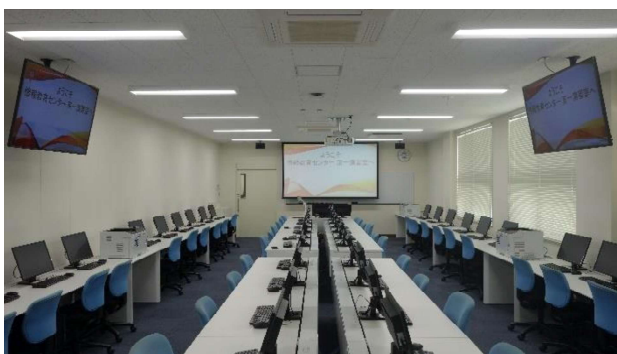
Training Boat 「Subaru」

INFORMATION EDUCATION CENTER

Policies of the Information Education Center of our college are the information education for an information society, the provision for an education system using IT technology, and the operation and management of LAN system in our campus.

The building consists of a Server Room and two Seminar Rooms. In the sever room, some information systems which include the local LAN system and the e-learning system etc. is managed. In each seminar room, there are fifty computers for education purposed, such as class, seminar, and self-study. These computers are provided with various software for engineering education, such as CAD (computer-aided design) software, Image Processing software, Video Editing software, IDE (integrated development environment) of some programming languages. Students are able to use these computers between 7 a.m. and 7 p.m. on weekdays.

The Internet connection is connected to the Science Information NETwork (SINET), and we can connect domestically and internationally through a fast and reliable network.



Practice Room No.1



Practice Room No.2

HIGH TECHNOLOGY EDUCATION AND RESEARCH CENTER

The Center for Advanced Technology Education and Research was established in conjunction with the KOSEN 4.0 Initiative to develop human resources capable of responding to recent large-scale disasters using advanced technologies (AI, IoT, robotics), and to contribute to the region with engineering knowledge and technology by addressing issues of regional disaster prevention and ocean energy utilization. It also aims to contribute to the local community through engineering knowledge and technology.

【Examples of Activities】

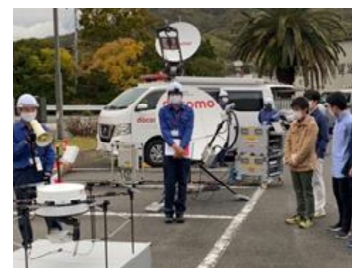
- Holding technical seminars
- Technical support for students participating in contests



Robotics and AI sessions
Cooperation: AFREL Co.



KOSEN Wireless IoT Contest
2019 National Winner of KOSEN



Disaster radio station workshop
Cooperation: NTTdocomo

COLLABORATIVE TECHNICAL CENTER

This center aims to provide local residents with achievements of research and education and the state of the art facilities for contributing to regional communities. Our center objectives are to :

- accept various types of business consultations
- assist collaborative research
- promote career-long education

Technological supports:

• funded research, research development, collaborative research, assay, technical training and information service

Career-long learning:

- supporting learning opportunities for local residents' needs
- actively maintaining learning outcomes surroundings

Regional partnerships:

- interacting with local companies, cooperation and individuals
- supporting education and research in local communities
- promoting regional partnership business
- contributing to regional development



Visiting Lecture at Junior High School



Region of Partnership

STUDENT COUNSELING ROOM

The purpose of the Student Counseling Room is based on the idea that the staffs receive all sorts of students' worries and help them to solve these problems. Students have various sorts of worries, such as their human relationship, their mental and physical health, and their study. The Student Counseling Room consists of five teachers as a counseling staff, two school nurses, three Certified Public Psychologist (CPP), several School Social Workers (SSW) and one psychiatrist as school counselors.

Counseling Schedule

• Weekdays 8:30-17:00 (Counseling room staff are available at each laboratory, and nurses are available at the health room)

If you would like to have a private room interview, please email (soudan@oshima-k.ac.jp) or call 0820-74-5477 (Infirmary). Please contact us at. We are waiting for you at the Student Counseling Room.

• Certified Public Psychologist(CPP) visits once a week

The date and time of the counselor's visit will be announced on the school website at the beginning of each month. If you would like to have an interview, please make an appointment at the health room. We also accept consultations by email (soudan@oshima-k.ac.jp).

TECHNICAL SUPPORT CENTER

The main roles of Technical Support Center are to provide technological support for engineering education on experiment and practical training, and the technical support for collaborative researches, and to maintain and run engineering workshops and boathouses. In addition, it is designed to train an engineer with wider vision, higher originality and outstanding capacity for technological development, and to promote community development.

The technical support center consists of three sections. The three sections share each technical service and also provide technical supports under collaboration. Three sections work together carry out affairs in the technical support center.

Sec. I : In charge of boats and ships

Sec. II : In charge of Mechanical & Heat engines or Electrical & Electronics

Sec. III : In charge of Information technology

Main equipment

Simultaneous 5-Axis Machining Center	Contour machine
Laser beam machine	Shielded metal arc welding
Milling machine	Gas welding
Universal machine	Tungsten inert gas welding
Lathe	Air plasma cutting machine
Drilling machine	CO2 gas shielded arc welding
Band sawing machine	Universal tool grinder



Engineering Workshop (Machining room)



Engineering Workshop



Engineering Workshop (Welding room)



Laser beam machine



Simultaneous 5-Axis Machining Center



Boathouse



Lifeboat

CAREER SUPPORT OFFICE

The purpose and the goal of Career Support Office is based on the idea that the office staff encourage all the students to manage to find out and select their own courses for their futures in order to realize their dreams through developing their aptitudes.

This idea is to be put into practice as follows. 1. From the first year students to the third year students; homeroom activity for their career guidance, encouragement for their obtainment of qualifications, 2 For the third year students; vocational aptitude test, lecture, company visitation, 3 For the fourth year students; internship, joint seminar for their job hunting and their counseling for transferring to universities, and entering to the advanced course for Bachelor Degree at Oshima College and others. Synthetic Personality Inventory mock test, 4. For the fifth year students; counseling for their job hunting.



Seminar for Internship



Seminar for Makeup Manners



Career Lecture Meeting
for Students



Joint Seminar for Their Job Hunting
(About 100 companies and
organizations join at the seminar)

INTERNATIONAL EXCHANGES

◇ Institutions which have agreements with our college

Country	Institution	Date of agreement
Singapore	Singapore Maritime Academy	March 21, 2009
America	Kaua'i Community College	November 29, 2010
Taiwan	National Kaohsiung University of Science and Technology	March 14, 2014

◇ International Technical Program (Sending • Acceptance)

- NKUST: National Kaohsiung University of Science and Technology, Taiwan

We have an agreement for education and academic exchanges and cooperation with National Kaohsiung University of Science and Technology, Taiwan. According to this agreement, we have an exchange program for specialized studies for students of Advanced Course and the 4th and 5th-year students of Regular Courses for about 2 weeks.



NKUST (Nanzin Campus)

- SMA: Singapore Maritime Academy, Singapore

We have an agreement on education and academic exchanges for cooperation in the maritime field with Singapore Maritime Academy (SMA), Singapore. SMA students are accepted into Oshima College on October and Oshima students visit SMA in March every year for about one-week exchange programs.



On-board Training in OSHIMAMARU

◇ Experiential English learning programs (Sending)

- KCC: Kaua'i Community College, Hawaii

Based on an international exchange agreement, three-week experiential English learning program is carried out at Kaua'i Community College in Kaua'i, Hawaii, which is a sister island of Suo-Oshima. Students learn the topics such as "Japanese immigrants to Hawaii", "Hawaiian culture and nature", and "Science experiments and practice" through a combination of English classes and experiential learning.



Kaua'i Community College

◇ External Shipping Company International Exchange Program

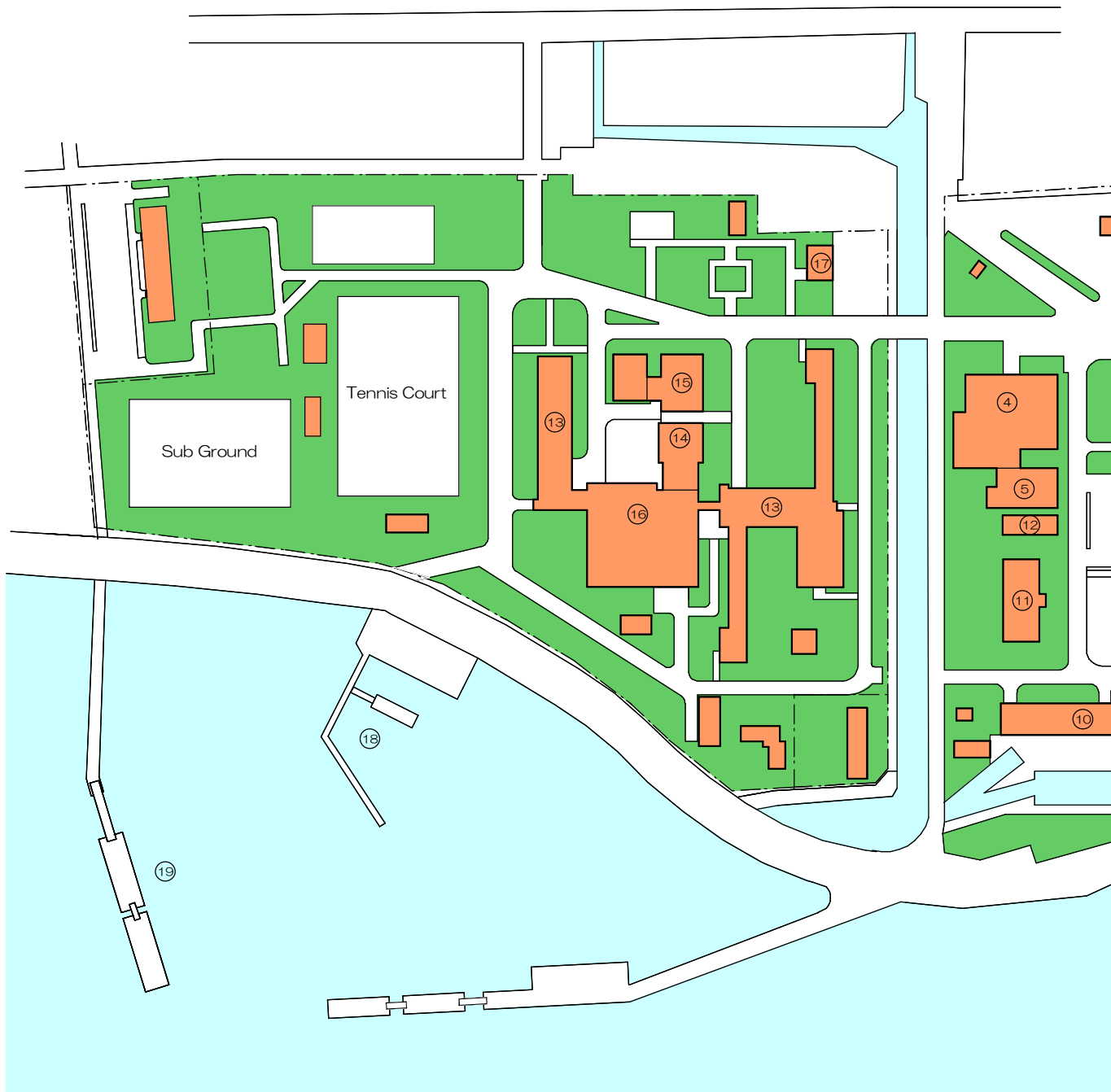
- NTMA: NYK-TDG Maritime Academy, Philippines

The maritime education program (targeted for shipping technology department) in NYK-TDG Maritime Academy has been started since 2016. The purpose is to experience the importance of English by living with Filipino students of the same age who are strongly aiming to be a maritime seafarer.



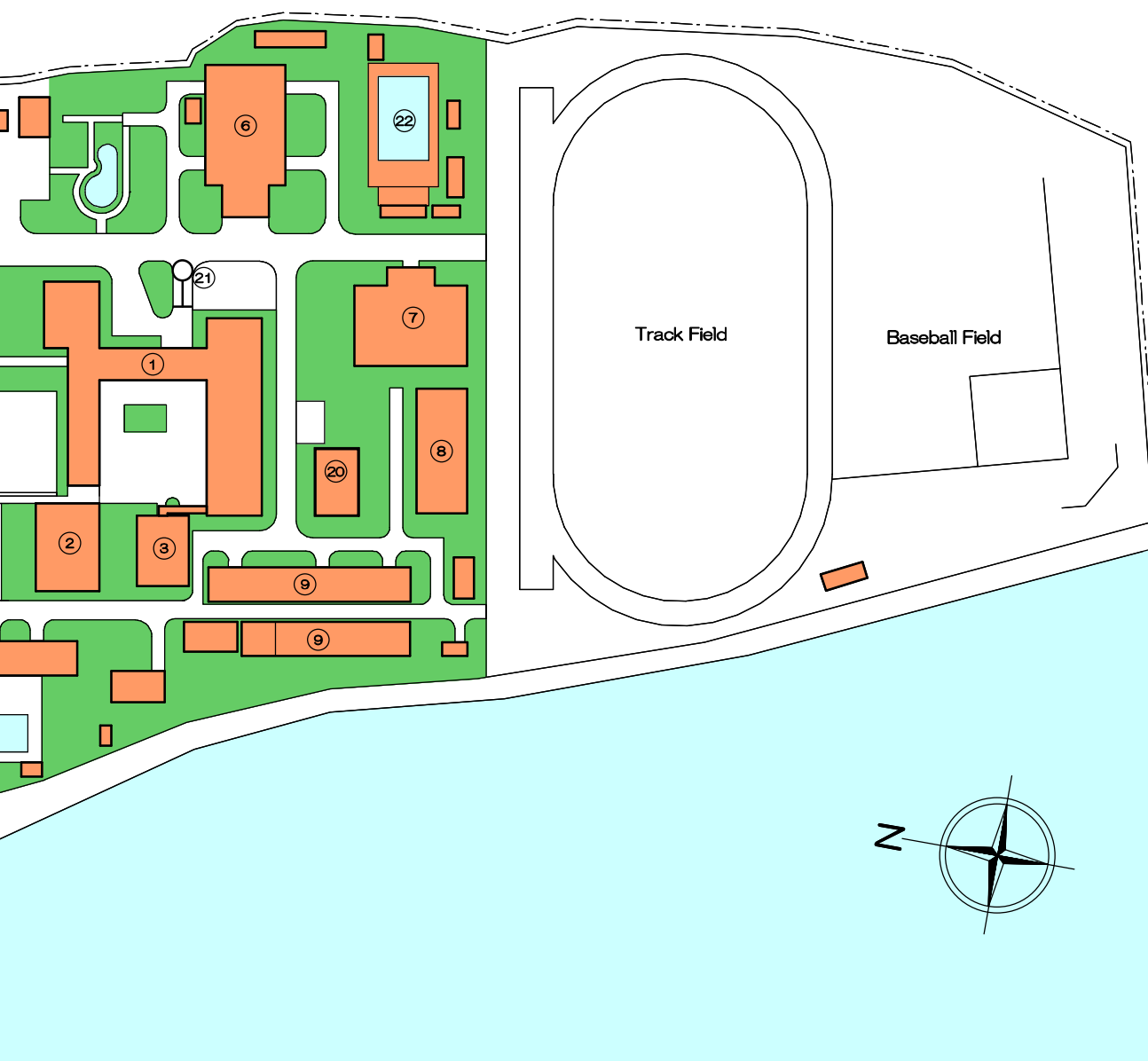
Visiting class room in NYK-TDG Maritime Academy

CAMPUS MAP



- ① Main Building
- ② Building for M.Dept.
- ③ Building for I.Dept.
- ④ Library
- ⑤ Information Education Center
- ⑥ Gymnasium I
- ⑦ Gymnasium II
- ⑧ Rough Sea Laboratory
- ⑨ Engineering Workshop I and II
- ⑩ Boathouse
- ⑪ Budo-jo(Gymnasium for Judo and Kendo)

- ⑫ Komatsu-kaikan(Cafeteria)
- ⑬ Dormitory
- ⑭ Dormitory(Chu-ryo)
- ⑮ Shosen-kaikan(Students Hall)
- ⑯ Cafeteria and Dormitory Administration Building
- ⑰ Shokuin-kaikan(Guesthouse)
- ⑱ Pier for boat
- ⑲ Pier for Training ship
- ⑳ Building for Manufacturing Education and Reserch
- ㉑ Bus Stop(Minamimachi) • (Oshimashosen-Kosen)
- ㉒ Swimming Pool



FACILITIES

● Site Areas

Total Area	Building Site	Dormitory Site	Athletic Grounds	Others
112,540 m ²	43,767 m ²	29,911 m ²	35,770 m ²	3,092 m ²

● Buildings

Classification	Structure and Floors	Area(m ²)
Main Building	R4	7,004 m ²
Building for Electronic-Mechanical Engineering Dept.	R4	1,769 m ²
Building for Information Science and Technology Dept.	R3	974 m ²
Building for Manufacturing Education and Research	R3	734 m ²
Connecting corridor	R1	33 m ²
Marine Engineering Workshop I	R1	622 m ²
Marine Engineering Workshop II	R1	519 m ²
Rough Sea Laboratory	S1	565 m ²
Internal combustion engine general laboratory	R1	164 m ²
Information Education Center	R1	300 m ²
Library	R2	1,681 m ²
Gymnasium I	R1	997 m ²
Gymnasium II	R1	880 m ²
Budo-jo(Gymnasium for Judo and Kendo)	R1	322 m ²
Swimming Pool Annex	B1	49 m ²
Storehouse I for Athletic Apparatus	B1	61 m ²
Storehouse II for Athletic Apparatus	B1	102 m ²
Storehouse III for Athletic Apparatus	B1	31 m ²
Komatsu-kaikan (Cafeteria)	R2	164 m ²
Shokuin-kaikan (Guesthouse)	R2	193 m ²
Shosen-kaikan (Student's Hall)	R3	690 m ²
Memorial Hall	R1	164 m ²
Sports Club Accommodations	W2	180 m ²
Locker Room	B1	60 m ²
Lavatory	B1	30 m ²
Music Instrument Storehouse	B1	31 m ²
Boathouse	R1	606 m ²
Bus Garage	R1	108 m ²
Garage	R1	34 m ²
Guard Gate	R1	15 m ²
Storehouse	R1	150 m ²
Boathouse for Yachts	W1	63 m ²
Storehouse for Boat Gears	B1	82 m ²
Storehouse	R1	72 m ²
Storehouse for Shipping Workshop	B1	26 m ²
Storehouse	W2	94 m ²
Storehouse for Chemicals	B1	33 m ²
Storehouse for Oil	B1	19 m ²
Storehouse for Fire Pumps	B1	21 m ²
Storehouse	B1	34 m ²
Dormitory for Male Students & Dormitory(Chu-ryo)	R3	4,350 m ²
Dormitory for Female Students & Dormitory Administration Building	R5	3,816 m ²
Storehouse	R1	110 m ²
Laundry	S1	64 m ²
Storehouse for Dusts	R1	63 m ²
School Staff Residence II	B2	256 m ²
School Staff Residence III	R4	1,100 m ²
Facility for Extracurricular Activities I	S1	94 m ²
Storehouse for Ships	S1	87 m ²
Total		29,616 m ²

R : Reinforced-Concrete Structure, S : Steel Structure, B : Block Structure

W : Wooden Structure. Numbers show stories.

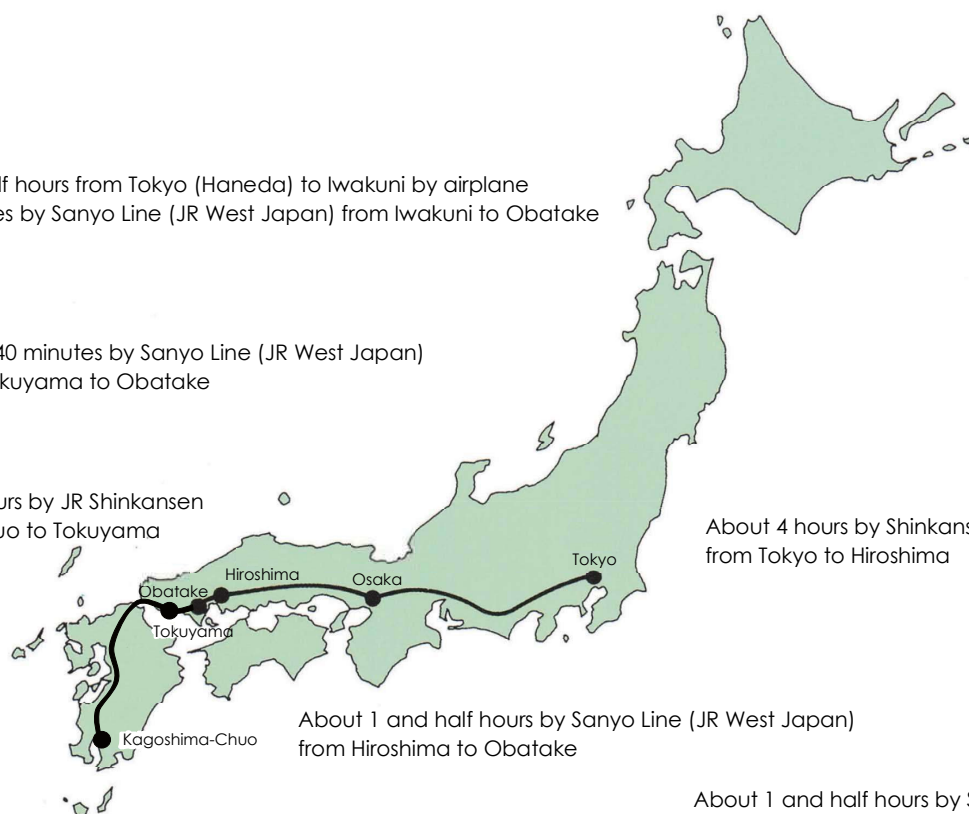
GUIDE MAP

About 1 and half hours from Tokyo (Haneda) to Iwakuni by airplane
About 30 minutes by Sanyo Line (JR West Japan) from Iwakuni to Obatake

About 40 minutes by Sanyo Line (JR West Japan)
from Tokuyama to Obatake

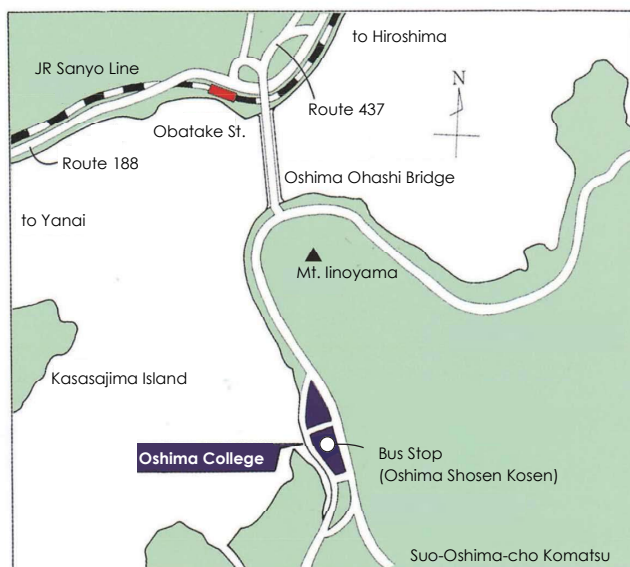
About 2 and half hours by JR Shinkansen
from Kagoshima-Chuo to Tokuyama

About 4 hours by Shinkansen
from Tokyo to Hiroshima



About 1 and half hours by Sanyo Line (JR West Japan)
from Hiroshima to Obatake

About 1 and half hours by Shinkansen
from Osaka to Hiroshima



*Transportation
About 10 minutes by bus from
Obatake Station to the College



NATIONAL INSTITUTE OF TECHNOLOGY (KOSEN)

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