

Diploma Policy of School of Marine Technology

The School of Marine Technology awards a Bachelor of Engineering degree to individuals who take an interest in maritime transport-related issues, including the sea, ships, and logistics. Students eligible for a degree will also possess specialized knowledge and a well-rounded education, demonstrate strong personal integrity, advanced technical skills essential for understanding and solving problems, and the capability to operate effectively on an international stage.

【Learning outcomes and achievement objectives】

(1) Broad perspective and cultural background

Academic Achievement: The student will cultivate a broad perspective, abilities, and cultural literacy that serve as a foundation for international exchange.

Indicator of Achievement: The student should complete a wide range of General Courses and Introductory Specialized Courses that support the development of broad perspectives, abilities, and cultural literacy essential for international exchange.

(2) Communication skills

Academic Achievement: The student will develop communication skills essential for engineers, grounded in a broad education and an international perspective.

Indicator of Achievement: The student should acquire diverse communication skills necessary for gathering and disseminating information effectively. Additionally, the student must achieve satisfactory evaluations in report writing for experiments, practical training, and exercises, as well as in the preparation and presentation of the graduation thesis.

(3) Expertise and problem-solving skills

Academic Achievement: The student will acquire specialized knowledge related to the sea, ships, logistics, and other relevant fields and will develop the ability to apply this knowledge to solve problems.

Achievement Indicator: The student should systematically complete introductory and specialized courses from basic to advanced levels to gain a comprehensive understanding of specialized knowledge. Additionally, the student must complete coursework in experiments, practical training, exercises, and graduation research, which foster problem identification, problem-solving skills, and creativity.

(4) Practical guidance and leadership skills

Academic Achievement: The student will develop the skills in practical guidance and leadership required to serve as a leader in society.

Achievement Indicator: The student must complete coursework in experiments, practical training, exercises, and graduation research, which cultivate leadership skills and the ability to guide and manage groups effectively. Additionally, the student must achieve satisfactory evaluations in report writing for experiments, practical training, and exercises, as well as in the preparation and presentation of the graduation thesis.

(5) Ability to make independent decisions and take action

Academic Achievement: The student will develop the ability to proactively engage with challenges, think logically, and make sound judgments that lead to appropriate actions.

Achievement Indicator: The student must complete coursework in experiments, practical training, exercises, and graduation research, which foster independent decision-making and the ability to take initiative.

Undergraduate Course of Maritime Systems Engineering	Undergraduate Course of Marine Electronics and Mechanical Engineering	Undergraduate Course of Logistics and Information Engineering
<p>1. Graduation and degree conferment policy The Undergraduate Course of Maritime Systems Engineering awards a Bachelor of Engineering degree to students who are interested in maritime technology, including ship operation and maintenance management, the design and development of maritime-related equipment, devices, and systems, and the design and management of ports and shipping routes. Students are required to acquire a broad range of knowledge, including specialized knowledge, a rich sense of humanity, advanced skills to understand and solve problems, and the ability to work on an international scale.</p> <p>2. Learning outcomes and achievement objectives (1) Broad perspective and cultural background Academic Achievement: The student will cultivate a broad perspective, abilities, and cultural literacy that serve as a foundation for international exchange. Indicator of Achievement: The student should complete a wide range of General Courses and Introductory Specialized Courses that support the development of broad perspectives, abilities, and cultural literacy essential for international exchange.</p> <p>(2) Communication skills Academic Achievement: The student will develop communication skills essential for engineers, grounded in a broad education and an international perspective. Indicator of Achievement: The student should acquire diverse communication skills necessary for gathering and disseminating information effectively. Additionally, the student must achieve satisfactory evaluations in report writing for experiments, practical training, and exercises, as well as in the preparation and presentation of the graduation thesis.</p> <p>(3) Expertise and problem-solving skills Academic Achievement: The student will possess specialized knowledge in maritime technology, covering areas such as ship operation and maintenance management, the design and development of maritime equipment, devices, and systems, and the design and management of ports and shipping routes. The student will also have the ability to apply this knowledge to solve problems.</p>	<p>1. Graduation and degree conferment policy The Undergraduate Course of Marine Electronics and Mechanical Engineering awards a Bachelor of Engineering degree to students who are interested in a broad range of technological issues related to ship engines, marine equipment, and the marine environment, including equipment development, management, and operation. Students must acquire a broad education that includes specialized knowledge, a rich sense of humanity, advanced skills to understand and solve problems, and the ability to work internationally.</p> <p>2. Learning outcomes and achievement objectives (1) Broad perspective and cultural background Academic Achievement: The student will cultivate a broad perspective, abilities, and cultural literacy that serve as a foundation for international exchange. Indicator of Achievement: The student should complete a wide range of General Courses and Introductory Specialized Courses that support the development of broad perspectives, abilities, and cultural literacy essential for international exchange.</p> <p>(2) Communication skills Academic Achievement: The student will develop communication skills essential for engineers, grounded in a broad education and an international perspective. Indicator of Achievement: The student should acquire diverse communication skills necessary for gathering and disseminating information effectively. Additionally, the student must achieve satisfactory evaluations in report writing for experiments, practical training, and exercises, as well as in the preparation and presentation of the graduation thesis.</p> <p>(3) Expertise and problem-solving skills Academic Achievement: The student will possess expert knowledge in various technologies related to ship engines, marine equipment, and the marine environment, including equipment development, management, and operation. The student will also develop the ability to apply this knowledge to</p>	<p>1. Graduation and degree conferment policy The Undergraduate Course of Logistics and Information Engineering awards a Bachelor of Engineering degree to students who are interested in global economic activities, including logistics that support food, clothing, and housing in Japan, information systems that optimize these functions, and environmental measures. Students must acquire a broad education, including specialized knowledge, a strong sense of humanity, advanced skills to understand and solve problems, and the ability to thrive on an international scale.</p> <p>2. Learning outcomes and achievement objectives (1) Broad perspective and cultural background Academic Achievement: The student will cultivate a broad perspective, abilities, and cultural literacy that serve as a foundation for international exchange. 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(4) Practical guidance and leadership skills

Academic Achievement: The student will develop the skills in practical guidance and leadership required to serve as a leader in society.

Achievement Indicator: The student must complete coursework in experiments, practical training, exercises, and graduation research, which cultivate leadership skills and the ability to guide and manage groups effectively. Additionally, the student must achieve satisfactory evaluations in report writing for experiments, practical training, and exercises, as well as in the preparation and presentation of the graduation thesis.

(5) Ability to make independent decisions and take action

Academic Achievement: The student will develop the ability to proactively engage with challenges, think logically, and make sound judgments that lead to appropriate actions.

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Curriculum Policy of School of Marine Technology

1. Policy for curriculum organization and implementation

The School of Marine Technology includes the Undergraduate Course of Maritime Systems Engineering, the Undergraduate Course of Marine Electronics and Mechanical Engineering, and the Undergraduate Course of Logistics and Information Engineering. To develop the five competencies outlined in the Diploma Policy, students are systematically trained in general subjects, such as cultural studies, philosophy and science, social sciences, foreign languages, health and sports, and specialized courses like mathematics, physics, chemistry, information technology, and various foreign languages.

The Undergraduate Course of Maritime Systems Engineering and the Undergraduate Course of Marine Electronics and Mechanical Engineering will offer curricula designed to enable students to obtain the qualifications for third-class marine officer (navigation) and third-class marine officer (engine), respectively.

- Throughout their studies, students will engage in courses to acquire a broad range of knowledge, a strong sense of humanity, advanced technical skills, and the ability to work internationally.
- In the first year, students will focus on general and introductory specialized courses as a foundation for their future studies. To ensure a smooth transition into university education, first-year introductory education will also be provided.
- In the second and third years, students will gradually transition from introductory specialized courses to more advanced specialized courses.
- In the fourth year, based on the foundational skills acquired from the first to the third year, students will receive guidance for their graduation research to develop independence, creativity, and presentation skills. They will be encouraged to apply their broad liberal arts education and in-depth specialized knowledge to various challenges.
- The Undergraduate Course of Maritime Systems Engineering and the Undergraduate Course of Marine Electronics and Mechanical Engineering will also provide training to help students acquire qualifications for third-class marine officer (navigation) and third-class marine officer (engine).

2. Policy on educational content, implementation methods and evaluation method

(1) Broad perspective and cultural background

Academic Content: Students will acquire broad perspectives, abilities, and cultural knowledge that will serve as a foundation for international exchange.

Method of Study: In the first and second years, students will study a wide range of general courses and introductory specialized courses. Additionally, students will be required to engage in introductory education during their first year to ensure a smooth transition into university education.

Evaluation of Learning Outcomes: The degree of acquisition of a broad range of knowledge and cultural knowledge will be objectively evaluated through exams, reports, and other results.

(2) Communication skills

Academic Content: Students will acquire a broad education necessary for engineers, along with communication skills supported by an international perspective.

Method of Study: Through various foreign language courses, experiments, practical training, writing reports for exercises, writing graduation theses, and presenting graduation theses, students will learn diverse communication skills to gather and convey necessary information.

Evaluation of Learning Outcomes: Depending on the characteristics of the subject, students' mastery of communication skills will be objectively evaluated through reports, graduation thesis presentations, etc.

(3) Expertise and problem-solving skills

Academic Content: Students will gain specialized knowledge in fields such as the sea, ships, logistics, etc., and will develop the ability to apply this knowledge to solve problems.

Method of Study: Students are required to systematically take introductory and specialized subjects, from foundational to advanced levels, to fully acquire a broad range of specialized knowledge. Students will study courses in experiments, practical training, exercises, and graduation research to foster their problem-solving and creative abilities.

Evaluation of Learning Outcomes: The degree of acquisition of specialized knowledge and problem-solving skills will be objectively assessed through exams, reports, and deliverables, based on the characteristics of each subject.

(4) Practical guidance and leadership skills

Academic Content: Students will develop the skills in practical guidance and leadership required of leaders in society.

Method of Study: Students are required to study subjects such as experiments, practical training, exercises, and graduation research, which will help them develop leadership skills and the ability to lead effectively within a group setting.

Evaluation of Learning Outcomes: Depending on the subject's characteristics, students' acquisition of practical guidance and leadership skills will be objectively assessed through reports, presentations, graduation theses, etc.

(5) Ability to make independent decisions and take action

Academic Content: Students will acquire the ability to think logically, make sound judgments, and take appropriate actions when addressing challenges.

Method of Study: Students are required to study subjects such as experiments, practical training, exercises, and graduation research, which will help them develop the ability to make decisions and act independently.

Evaluation of Learning Outcomes: Depending on the subject's characteristics, students will be evaluated with regard to their ability to make decisions and take independent actions, as assessed through reports, graduation theses, and other means.

Undergraduate Course of Maritime Systems Engineering

1. Policy for curriculum organization and implementation

To develop the five competencies outlined in the Diploma Policy, students of Undergraduate Course of Maritime Systems Engineering are systematically trained in general subjects, such as cultural studies, philosophy and science, social sciences, foreign languages, health and sports, and specialized courses like mathematics, physics, chemistry, information technology, and various foreign languages.

In addition, this course will offer curricula designed to enable students to obtain the qualifications for third-class marine officer (navigation).

- Throughout their studies, students will engage in courses to acquire a broad range of knowledge, a strong sense of humanity, advanced technical skills, and the ability to work internationally.

- In the first year, students will focus on general and introductory specialized courses as a foundation for their future studies. To ensure a smooth transition into university education, first-year introductory education will also be provided.

- In the second and third years, students will gradually transition from introductory specialized courses to more advanced specialized courses.

- In the fourth year, based on the foundational skills acquired from the first to the third year, students will receive guidance for their graduation research to develop independence, creativity, and presentation skills. They will be encouraged to apply their broad liberal arts education and in-depth specialized knowledge to various challenges.

- This course will also provide training to help students acquire qualifications for third-class marine officer (navigation).

2. Policy on educational content, implementation methods and evaluation method

(1) Broad perspective and cultural background

Academic Content: Students will acquire broad perspectives, abilities, and cultural knowledge that will serve as a foundation for international exchange.

Method of Study: In the first and second years, students will study a wide range of general courses and introductory specialized courses. Additionally, students will be required to engage in introductory education during their first year to ensure a smooth transition into university education.

Evaluation of Learning Outcomes: The degree of acquisition of a broad range of knowledge and cultural knowledge will be objectively evaluated through exams, reports, and other results.

Undergraduate Course of Marine Electronics and Mechanical Engineering

1. Policy for curriculum organization and implementation

To develop the five competencies outlined in the Diploma Policy, students of Undergraduate Course of Marine Electronics and Mechanical Engineering are systematically trained in general subjects, such as cultural studies, philosophy and science, social sciences, foreign languages, health and sports, and specialized courses like mathematics, physics, chemistry, information technology, and various foreign languages.

In addition, this course will offer curricula designed to enable students to obtain the qualifications for third-class marine officer (engine).

- Throughout their studies, students will engage in courses to acquire a broad range of knowledge, a strong sense of humanity, advanced technical skills, and the ability to work internationally.

- In the first year, students will focus on general and introductory specialized courses as a foundation for their future studies. To ensure a smooth transition into university education, first-year introductory education will also be provided.

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- This course will also provide training to help students acquire qualifications for third-class marine officer (engine).

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Evaluation of Learning Outcomes: The degree of acquisition of a broad range of knowledge and cultural knowledge will be objectively evaluated

Undergraduate Course of Logistics and Information Engineering

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To develop the five competencies outlined in the Diploma Policy, students of Undergraduate Course of Logistics and Information Engineering are systematically trained in general subjects, such as cultural studies, philosophy and science, social sciences, foreign languages, health and sports, and specialized courses like mathematics, physics, chemistry, information technology, and various foreign languages.

- Throughout their studies, students will engage in courses to acquire a broad range of knowledge, a strong sense of humanity, advanced technical skills, and the ability to work internationally.

- In the first year, students will focus on general and introductory specialized courses as a foundation for their future studies. To ensure a smooth transition into university education, first-year introductory education will also be provided.

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Evaluation of Learning Outcomes: Depending on the characteristics of the subject, students' mastery of communication skills will be objectively evaluated through reports, graduation thesis presentations, etc.

(3) Expertise and problem-solving skills

Academic Content: Students will acquire specialized knowledge in maritime technology, including ship operation and maintenance management, the design and development of maritime-related equipment, devices, and systems, as well as the design and management of ports and shipping routes, and to develop the ability to use this knowledge for problem-solving.

Method of Study: Students are required to systematically take introductory and specialized subjects, from foundational to advanced levels, to fully acquire a broad range of specialized knowledge. Students will study courses in experiments, practical training, exercises, and graduation research to foster their problem-solving and creative abilities.

Evaluation of Learning Outcomes: The degree of acquisition of specialized knowledge and problem-solving skills will be objectively assessed through exams, reports, and deliverables, based on the characteristics of each subject.

(4) Practical guidance and leadership skills

Academic Content: Students will develop the skills in practical guidance and leadership required of leaders in society.

Method of Study: Students are required to study subjects such as experiments, practical training, exercises, and graduation research, which will help them develop leadership skills and the ability to lead effectively within a group setting.

Evaluation of Learning Outcomes: Depending on the subject's characteristics, students' acquisition of practical guidance and leadership skills will be objectively assessed through reports, presentations, graduation theses, etc.

(5) Ability to make independent decisions and take action

Academic Content: Students will acquire the ability to think logically, make sound judgments, and take appropriate actions when addressing challenges.

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Evaluation of Learning Outcomes: Depending on the characteristics of the subject, students' mastery of communication skills will be objectively evaluated through reports, graduation thesis presentations, etc.

(3) Expertise and problem-solving skills

Academic Content: Students will acquire specialized knowledge of a wide range of technologies related to ship engines, marine equipment, and the marine environment, including equipment development, management, and operation, and will develop the ability to use this knowledge to solve problems.

Method of Study: Students are required to systematically take introductory and specialized subjects, from foundational to advanced levels, to fully acquire a broad range of specialized knowledge. Students will study courses in experiments, practical training, exercises, and graduation research to foster their problem-solving and creative abilities.

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Evaluation of Learning Outcomes: Depending on the characteristics of the subject, students' mastery of communication skills will be objectively evaluated through reports, graduation thesis presentations, etc.

(3) Expertise and problem-solving skills

Academic Content: Students will acquire specialized knowledge in engineering, information science, and social sciences related to logistics and supply chain management, and the ability to use this knowledge to solve problems.

Method of Study: Students are required to systematically take introductory and specialized subjects, from foundational to advanced levels, to fully acquire a broad range of specialized knowledge. Students will study courses in experiments, practical training, exercises, and graduation research to foster their problem-solving and creative abilities.

Evaluation of Learning Outcomes: The degree of acquisition of specialized knowledge and problem-solving skills will be objectively assessed through exams, reports, and deliverables, based on the characteristics of each subject.

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Academic Content: Students will develop the skills in practical guidance and leadership required of leaders in society.

Method of Study: Students are required to study subjects such as experiments, practical training, exercises, and subject papers of graduation research, which will help them develop leadership skills and the ability to lead effectively within a group setting.

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