

Curriculum Policy of the Graduate School of Maritime Sciences

Master's Program

Degree: Master of Maritime Science and Technology

Based on the Kobe University Curriculum Policy, the Graduate School of Maritime Sciences organizes its curriculum in accordance with the points below.

1. In order to impress upon students *a sense of humanity, creativity and international awareness*, the graduate school has established the necessary common courses to be taken by all students. The main learning objectives of these courses are as follows:
 - Students taking part in *Advanced Seminar* and *Advanced Research Works* in order to acquire communication skills, report writing and presentation skills, scientific and logical thinking abilities, the ability to develop their expertise, varied perspectives, independent learning skills and attitudes, and the ability to solve problems by collaborating with people in other fields.
 - Students acquire the skills to communicate with people from different cultures, to foster an acceptance of other cultures, ideas and values, and a cross-disciplinary understanding of global issues via *Advanced Science and Technology*, *International Maritime Sociology*, and *Internship* courses.
2. In order to foster deeper knowledge and cultivate expertise, the graduate school has established the following specialized courses in each of the following three divisions.
 - Students undertake specialized courses in the *Division of Global Transportation Sciences* in order to acquire specialized knowledge and academic abilities that can contribute to the advancement of the transportation system that supports the foundation of international logistics in response to the globalization of the world economy.
 - Students undertake specialized courses in the *Division of Ocean Safety Systems Science* in order to acquire specialized knowledge and academic abilities, based on a wide range of science and engineering-related knowledge, that are necessary to conserve the global and marine environment, develop and utilize the ocean, and ensure that maritime activities are performed safely.
 - Students undertake specialized courses in the *Division of Marine Engineering* in order to acquire the specialized knowledge and academic abilities to develop, design, and manage ship and marine-related systems. These specialized courses are for exploring new academic fields and technological developments that contribute to the development of industrial fields related to the sea and ships, based on engineering.

Furthermore, these courses are often combined with active learning or experience-based learning in the form of lectures, practical learning, practical training or other classroom formats. Learning outcomes are evaluated via multiple comprehensive methods according to the learning objectives.

Doctoral Program

Degree: Doctor of Philosophy in Maritime Science and Technology

Based on the Kobe University Curriculum Policy, Graduate School of Maritime Sciences organizes its curriculum in accordance with the points below.

1. In order to impress upon students *a sense of humanity, creativity and international awareness*, the graduate school has established the necessary common courses to be taken by all students. The main learning objectives of these courses are as follows.
 - Students take part in the *Advanced Seminar* in order to acquire report writing and presentation skills, scientific and logical thinking abilities, the ability to develop and apply their expertise, varied perspectives, independent learning skills and attitudes, the ability to solve problems by collaborating with people in other fields, the ability to propose highly original and creative research themes, and the ability to construct and execute research plans. Note that the *Advanced Seminar* shall contain a high degree of expertise related to the maritime field.
 - Students acquire the skills to communicate with people from different cultures, to foster an acceptance of other cultures, ideas and values, and a cross-disciplinary understanding of global issues via *General Project* and *Internship* courses.
2. In order to foster deeper knowledge and cultivate expertise, the graduate school has established the following specialized courses in each of the following three divisions:
 - Students undertake specialized courses in the *Division of Global Transportation Sciences* in order to acquire specialized knowledge and academic abilities that can contribute to the advancement of the transportation system that supports the foundation of international logistics in response to the globalization of the world economy.
 - Students undertake specialized courses in the *Division of Ocean Safety Systems Science* in order to acquire specialized knowledge and academic abilities, based on a wide range science and engineering-related knowledge, that are necessary to conserve the global and marine environment, develop and utilize the ocean and ensure that maritime activities are performed safely.

- Students undertake specialized courses in the *Division of Marine Engineering* in order to acquire the specialized knowledge and academic abilities to develop, design, and manage ship and marine-related systems. These specialized courses are for exploring new academic fields and technological developments that contribute to the development of industrial fields related to the sea and ships, based on engineering.

Furthermore, these courses are often combined with active learning or experience-based learning in the form of lectures, practical learning, practical training or other classroom formats. Learning outcomes are evaluated via multiple comprehensive methods according to the learning objectives.

In addition to the guidance based on the common curriculum of the graduate school, such as supervisors offering research advice based on each divisions' specialization and the monitoring of research progress by multiple faculty members at research report meetings held in each academic year, the graduate school has set up a system that helps students smoothly submit their doctoral dissertations by providing guidance that fosters not only a high degree of expertise but also the ability to execute research plans, such as by providing students with active support for their education and research activities. These include support in making presentations or investigating the latest trends at domestic or overseas conferences and submitting research papers to academic journals.

Degree: Doctor of Philosophy in Engineering

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 - Students undertake specialized courses in the *Division of Marine Engineering* in order to acquire specialized knowledge and academic abilities to develop, design, and manage ship and marine-related systems. These specialized courses are for exploring new academic fields and technological developments that contribute to the development of industrial fields related to the sea and ships, based on engineering.

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Degree: Doctor of Philosophy

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 - Student acquire the skills to communicate with people from different cultures, to foster an acceptance of other cultures, ideas and values, and a cross-disciplinary understanding of global issues via *General Project* and *Internship* courses.
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