

Maritime Sciences



Professor Qiusheng Liu *Thermal Engineering, Nuclear Engineering*

The Graduate School of Maritime Sciences, Kobe University, is one of the unique schools in the world with its research and education focused on maritime science and engineering. It provides abundant curriculums ranged from maritime management science to logistics science and marine engineering. In my laboratory, we engage in experimental and theoretical studies on thermal engineering associated with marine energy systems as well as general power systems. Our current researches are

focused on the next generation shipboard thermal management technology, advanced nuclear power systems, and CO₂ utilization technology. Three years ago, I had a chance to conduct a research program at University of California, Berkeley. I realized through this program the importance of academic exchanges with foreign researchers because they provide us opportunities to share knowledge with each other and learn more about the world. Kobe University has many exchange programs with foreign sister universities. I wish to contribute more toward international cooperation with universities in the world.



International Student | Republic of Korea

Hwang Soo Jin

After entering Kobe University, I have been spending a wonderful time.

My impression of students here is that they display great passion in the pursuit of their study. They attend many lectures to gain a better understanding of their major.

My major is Nautical Science which includes how to navigate merchant ships. I would like to know more

details about the mechanism of ship dynamics, so I have been studying about ship motion and how to analyze things into its elements. Currently, I am accumulating the background into my major on how to handle the safety of ships.

To help me with my study, there is an excellent library with a great selection of books. I can always find whatever book I need.

Whenever I feel some stress, I can easily get in touch with nature which surrounds the campus. This always soothes me and makes me feel comfortable again.

The Faculty of Maritime Sciences and the Graduate School of Maritime Sciences are located in the Fukae Campus. The Fukae Campus is in the east of the international port city Kobe, and faces the Osaka Bay. We carry out a unique curriculum about the sea and ships in three special departments based on the fields of Science, Engineering, and Social Science. Here, students are also encouraged to do extra-curricular activities in addition to their schoolwork.

Faculty of Maritime Sciences (Undergraduate School)

The Faculty of Maritime Sciences was established in October, 2003 with the integration of Kobe University of Mercantile Marine, which originated from "the Kawasaki Merchant Marine School" founded in 1917. Maritime Sciences is an interdisciplinary academic field that aims to understand global issues pertaining to human activities on ships and on the open seas. The objective of this Faculty is to foster the beginning of the students' careers in the maritime logistics and energy fields. Emphasis is placed on fields such as Maritime Safety Management, efficiency of Marine Propulsion and Energy, Logistics Systems, Marine Engineering and Marine Environment Conservation.

The Faculty consists of three departments: Maritime Technology Management, Maritime Logistics and Marine Engineering. The International Maritime Education and Research Center, and the training ship "Fukae Maru" co-operate with the Faculty.

Students can advance to Master's Degree Program of Maritime Sciences in the Graduate School of Maritime Sciences or to Sea Training Course after graduation.

Graduate School of Maritime Sciences

The Graduate School of Maritime Sciences offers highly specialized instruction and guidance on research activities to foster creative researchers, educators, and top level professionals who possess diverse global perspectives as well as problem-solving abilities. The goal is to employ a scientific approach in a highly advanced manner, which combines both the natural and the social sciences.

The Graduate School seeks those who wish to expand and deepen the basic knowledge they acquired at the undergraduate level, and to gain practical experience after graduation.

Division of Maritime Management Sciences is for anyone who wishes to master the specialized and interdisciplinary study of maritime sciences so as to play

an active role in an interdisciplinary field of planning and research in maritime firms and maritime administrations are welcomed.

Division of Maritime Logistics Sciences is for anyone who seeks the ability to solve various problems pertaining to transportation and logistics and has the passion to engage in research and development.

Division of Marine Engineering is for anyone who has a global-scale perspective on marine environment conservation and wishes to become a professional working in research and development of front-line technology, mechatronics, and energy and environmental science.

Sea Training Course

Candidates for the Certificate of Competency must enter this six months course and complete it after graduating from the Faculty of Maritime Sciences. On-board training is conducted by the National Institute for Sea Training (NIST). NIST is operating 5 training ships, two world famous sailing ships Nippon Maru and Kaiwo Maru, one stem turbine ship Taisei Maru and two motor ships Ginga Maru and Seiun Maru.

After completion of this course and passing a physical and an oral examination, (no written examination is required at this stage) successful graduates will be issued a Certificate of Competency, and a 3rd Grade Maritime Officer (Navigation or Engineering) Certificate.

Undergraduate Program

Departments	Groups of Special Subjects
Maritime Technology Management	<ul style="list-style-type: none"> Navigation Ship Engineering Maritime Safety & Technology Management
Maritime Logistics	<ul style="list-style-type: none"> Logistics Intelligent Transportation
Marine Engineering	<ul style="list-style-type: none"> Marine Mechatronics Energy & Ecology

Relevant Course

Sea Training Course	<ul style="list-style-type: none"> Nautical Science Marine Engineering
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Master's Degree Program

Departments	Divisions
Maritime Sciences	<ul style="list-style-type: none"> Maritime Management Sciences Maritime Logistics Sciences Marine Engineering

Doctoral Degree Program

Departments	Divisions
Maritime Sciences	<ul style="list-style-type: none"> Maritime Management Sciences Maritime Logistics Sciences Marine Engineering

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