»You want to study at Flensburg University of Applied Sciences? Make your appointment with us. We look forward to meeting you.«

Marc Laatzke, Course Guidance

Course Guidance

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Office hours

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Wed & Thu 9 a.m. – 12 p.m.

Course Guidance

Please check our website to find out who your contact person is.

Hochschule Flensburg
University of Applied Sciences

MES

Marine Engineering –
Mechanical Engineering for Ships
Bachelor of Engineering

Marine Engineering, major: Mechanical Engineering for Ships

We are the only university in Germany offering this combination in one degree programme: Marine Engineering and Mechanical Engineering. The combination of these two fields has a long tradition at FUAS.

If you want to work in the maritime industry without having to go to sea, we will provide you with the necessary tools for your career. No matter whether you want to work in a shipyard, for a supplier for maritime components or in a classification society.

Marine engineering is as complex as it is fascinating and because technology often works differently at sea than on land, the maritime industry needs experts like you, specialists with seaworthy engineering know-how.

Overview

Admission requirements	German *Abitur*, *Fachhochschulreife* or an equal qualification
Duration	7 semesters
Starts	in winter semester
Degree	Bachelor of Engineering (B.Eng.)

Curriculum

1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester
Mathematics 1 *4 hpw (5 CP)*	Mathematics 2.1 *4 hpw (5 CP)*	Mathematics 2.2 *4 hpw (5 CP)*	Machine Elements *4 hpw (5 CP)*	Construction FEM Calculations *8 hpw (10 CP)*	Combustion Engines *4 hpw (5 CP)*	Internship *12 hpw (18 CP)*
Physics *4 hpw (5 CP)*	Computer Science *4 hpw (5 CP)*	Thermo-dynamics 2 *4 hpw (5 CP)*	Control Engineering *4 hpw (5 CP)*	Process Control *4 hpw (4 CP)*	Monitoring Ship Operation *4 hpw (4 CP)*	
Electrical Engineering 1 Test & Measurement *5 hpw (5 CP)*	Electrical Engineering 2 *4 hpw (5 CP)*	Maintenance *4 hpw (5 CP)*	Machines 1 *4 hpw (4 CP)*	Petrol, Oil and Lubricants *4 hpw (4 CP)*	Electrical Systems *4 hpw (5 CP)*	
Engineering Mechanics 1.1 *4 hpw (5 CP)*	Engineering Mechanics 1.2 *4 hpw (5 CP)*	Engineering Mechanics 2 *4 hpw (5 CP)*	Electrical Machines 2 *4 hpw (5 CP)*	Project Lab *4 hpw (5 CP)*	Machine Dynamics *2 hpw (3 CP)*	
Materials Engineering 1 *4 hpw (5 CP)*	Thermo-dynamics 1 *2 hpw (3 CP)*	CAD Methods/ Construction *4 hpw (5 CP)*	Fluids Mechanics *2 hpw (3 CP)*	Machines 2 *3 hpw (4 CP)*	Shafts/ Couplings/ Gears *2 hpw (2 CP)*	Bachelor's Thesis (2 months max.) and Colloquium *(12 CP)*
English 1 *2 hpw (2 CP)*	Materials Engineering 2 *2 hpw (3 CP)*	Electrical Machines 2 *2 hpw (3 CP)*	Shipbuilding Basics *2 hpw (3 CP)*	Steam Systems 2 *2 hpw (3 CP)*	Shipbuilding *2 hpw (4 CP)*	
Business Administration Basics *2 hpw (3 CP)*	English 2 *2 hpw (2 CP)*	Furnishing & Equipment of Ships *2 hpw (2 CP)*	Steam Systems 1 *2 hpw (2 CP)*		Installation Engineering *2 hpw (2 CP)*	
	Legal Basics *2 hpw (2 CP)*	Quality Management *2 hpw (3 CP)*	Maritime Safety *2 hpw (3 CP)*		Engine Room Design *2 hpw (2 CP)*	
					Commercial Law *2 hpw (2 CP)*	

Career prospects

Our graduates work in the maritime industry. Most of them are construction engineers, development or service engineers or designers for shipyards. They also work as examiners in classification societies and fulfil a number of functions in the design and construction of marine systems. Our graduates also hold positions with energy providers, in installation engineering and the offshore wind industry.