Course of Study Green Technologies: Energy, Water, Climate (Study Cohort w22)

Core Qualification Compulsory Specialisation Compulsory Focus Compulsory Thesis Compulsory Core Qualification Elective Compulsory Specialisation Elective Compulsory Focus Elective Compulsory Interdisciplinary complement Sample course plan M Bachelor Green Technologies: Energy, Water, Climate (GTBS) Dual study program Specialisation Maritime Technologies Mathematics I Technical Thermodynamics I Basics of Electrical Engineering Fundamentals of Fluid Mechanics Heat and Mass Transfer Fundamentals of Mechanical Engineering Design Mathematics I Technical Thermodynamics I Basics of Electrical Engineering Fundamentals of Fluid Mechanics Heat and Mass Transfer Fundamentals of Mechanical Engineering Design VL 2 HÜ 2 GÜ 1 Mathematics I HÜ 1 GÜ 2 HÜ 2 Heat and Mass Transfer Fundamentals of Mechanical Engineering Design HÜ 2 Technical Thermodynamics I Basics of Electrical Engineering Fluid Mechanics for Process Engineering 3 Mathematics I Technical Thermodynamics I Fundamentals on Fluid Mechanics Heat and Mass Transfer 6 Mathematics II Technical Thermodynamics II Sanitary Engineering I Introduction to Control Systems **Electrical Machines and Actuators** Mathematics II Technical Thermodynamics II Wastewater Disposal Introduction to Control Systems Electrical Machines and Actuators HÜ 1 HÜ 2 HÜ 1 Electrical Machines and Actuators HÜ 2 Mathematics II Technical Thermodynamics II Wastewater Disposal Introduction to Control Systems General and Inorganic Chemistry Technical Thermodynamics II Drinking Water Supply VL 2 General and Inorganic Chemistry Drinking Water Supply 10 Fundamentals in Inorganic Chemistry Fundamentals in Inorganic Chemistry 12 13 Mathematics III Conventional Energy Systems and Energy Industry Practical module 5 (dual study program, Bachelor's Bachelor thesis (dual study program) dearee) Analysis III Power Industry VI 1 14 Practical term 5 GÜ 1 VI 2 Analysis III Energy markets and energy trading 15 Computer Science for Engineers - Introduction and Organic Chemistry HÜ 1 Fossil Energy Systems VL 2 Analysis III Organic Chemistry 16 Computer Science for Engineers - Introduction VI 3 Organic Chemistry Differential Equations 1 GÜ 1 Differential Equations 1 MÜ 1 and Overview 19 Renewable Energies Economic and environmental project assessment Renewable Energies I Basics of Environmental Project Assessment 20 VI 2 Renewable Energies II Case studies economic and environmental 21 Practical module 2 (dual study program, Bachelor's Measurement Technology for Chemical and Bioprocess HŪ 1 Renewable Energies I Meteorology and Climate Systems - Introduction VL 2 Basics of economic project assement 22 Measurement Technology Introduction Green Technologies SE 2 23 Physical Fundamentals of Measurement Meteorology and Climate Systems - Introduction GÜ 2 VI 2 24 Practical Course Measurement Technology 25 Green maritime energy conversion degree) Green maritime energy conversion VI 4 26 Green maritime energy conversion GÜ 2 27 Practical module 1 (dual study program, Bachelor's Engineering Mechanics II (Elastostatics) Green Technologies II (part 1) Environmental Technologie Engineering Mechanics II VL 2 28 Practical term 1 GÜ 2 Engineering Mechanics II 29 Engineering Mechanics II 30 31 Green Technologies II (part 2) Green maritime resources Practical Exercise Environmental Technology Green maritime resources VI 3 GÜ 3 32 Practical module 3 (dual study program, Bachelor's 33 Engineering Mechanics I (Stereostatics) Practical term 3 Engineering Mechanics I VI 2 34 Engineering Mechanics I GÜ 2 35 HÜ 1 Engineering Mechanics I 36 37 Fundamentals of renewable ocean utilization Fundamentals of renewable ocean utilization VL Fundamentals of renewable ocean utilization GÜ 3 39 40 41 Linking theory and practice (dual study program, Bachelor's degree) (from catalogue) - 6LP