

Educational Packages: Further Explained

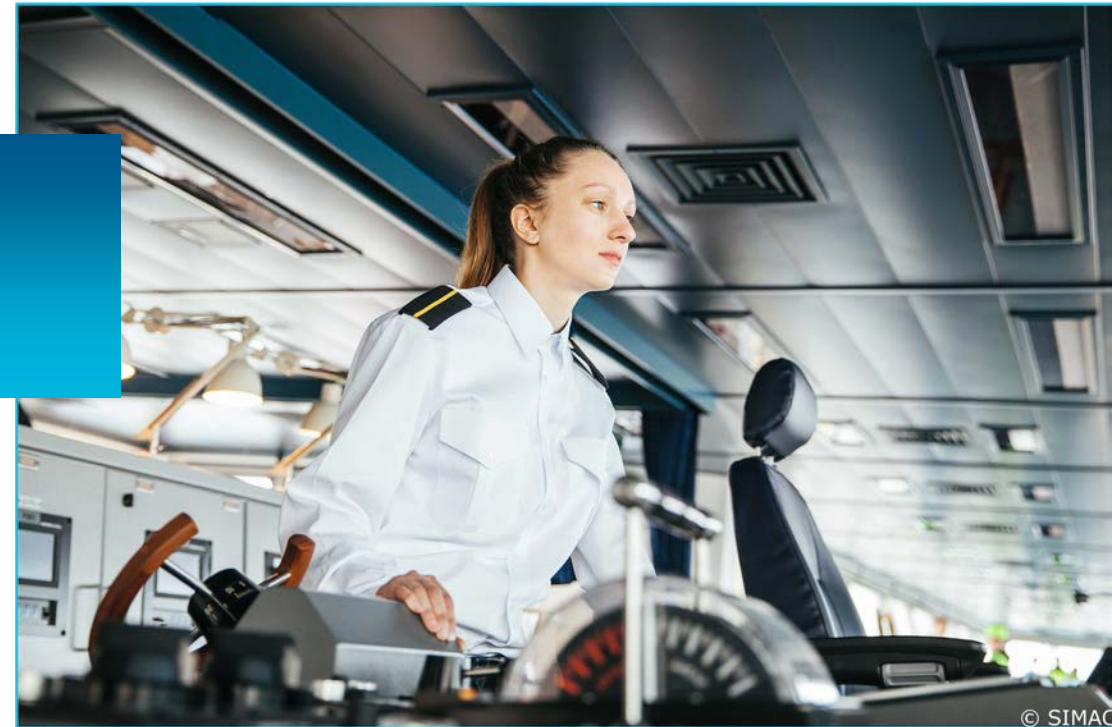
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14 December 2021





Outline

Why SkillSea

Overview of Educational Packages

Digital Skills I: Digital Seafarer

Green Skills I: Environmentally Friendly Ship Operations

Digital Skills II: Maritime Cybersecurity





Why SkillSea?





Educational Packages

DRAFT

 **Digital Skills I: Digital Seafarer**

 **Digital Skills II: Maritime Cybersecurity**

 **Green Skills I: Environmentally Friendly Ship Operation**

 **Green Skills II: Using Performance Data**

 **STEM: Problem Solving**

 **Leadership**

 **Entrepreneurship & Innovation: Personal and Corporate**

 **Train-the-Trainer Manual**





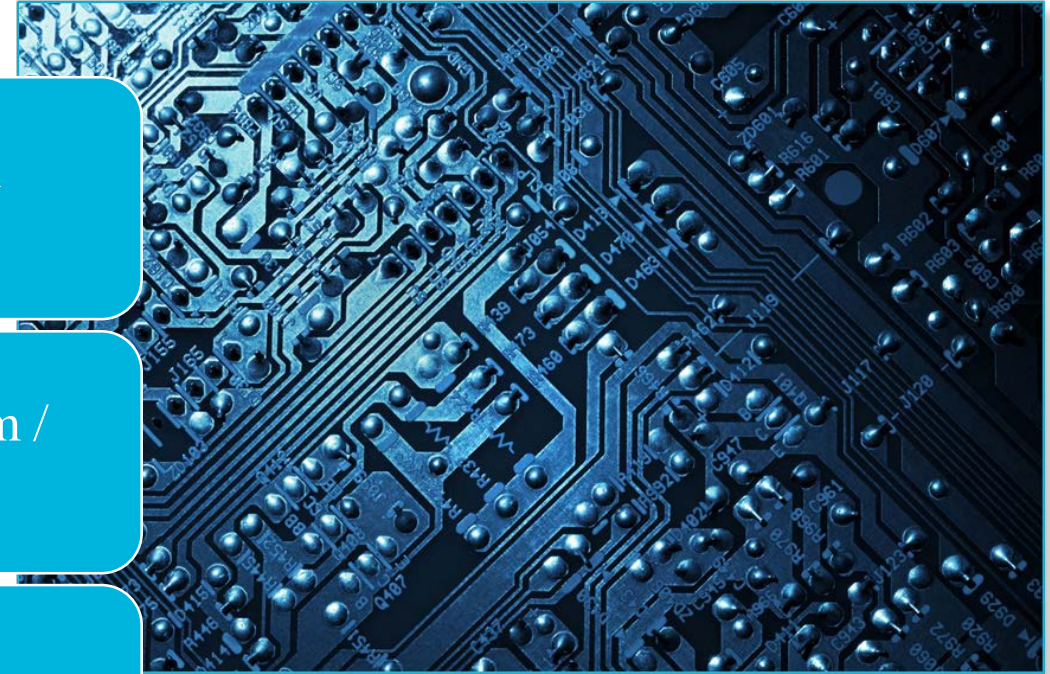
Digital Seafarer: Overview

Intended learning outcome: information infrastructure on board modern ship; assess data and act upon it

Mode of delivery: e-learning; directed study in a classroom / blended learning; suitable for on board learning

Duration: 21 guided learning hours

Targets group: STCW operational level or in training; national equivalent of EQF level 4 – 5





Syllabus

- Diagnostic assessment
- Network topologies
- Evolutions in ship operations
- Network components
- Shipboard control and monitoring networks
- Parameters to be monitored
- Shipboard sensors
- Monitoring status of the shipboard network
- Interference and troubleshooting
- Shore-side data monitoring and effective communication
- Case scenario
- Introduction to case scenario on data systems onboard a vessel
- Case scenario
- Assess the quality of shipboard generated
- Case scenario
- Actions to be taken in response to data errors
- VLE Quiz



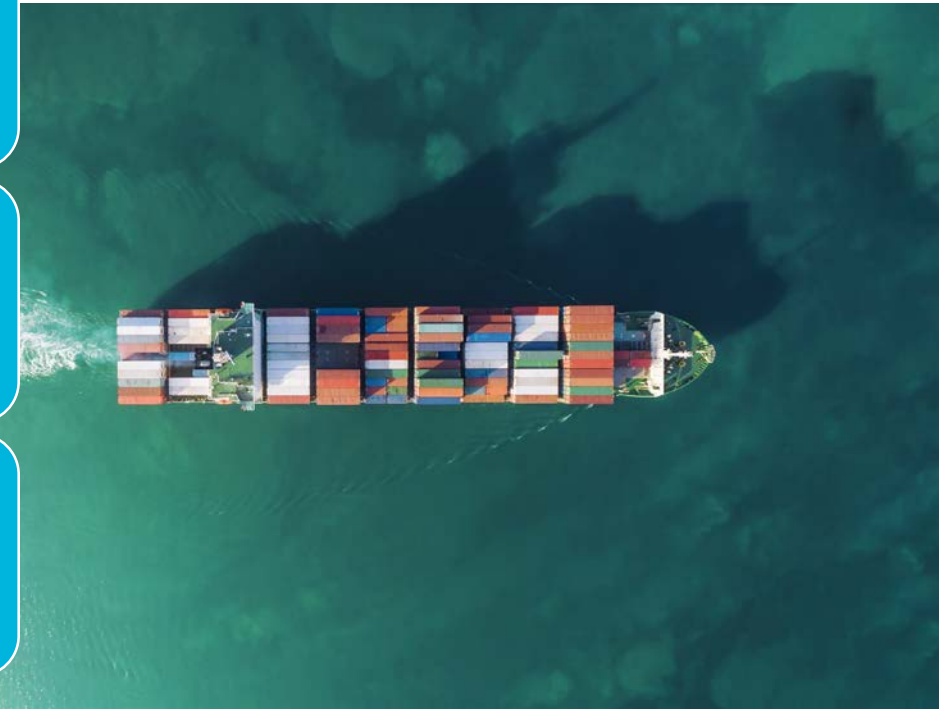
Environmentally Friendly Ship Operations

Intended learning outcome: environmentally friendly operations; current decarbonisation measures

Mode of delivery: face-to-face

Duration: 36 guided learning hours

Targets group: STCW operational level or in training; seagoing experience; national equivalent of EQF level 5



Syllabus



- Green legislation in an operational context
- Determining environmental impact
- Climate change and the adaptation of transport infrastructure
- Energy-efficient operation – power production; power consumption; energy efficiency awareness
- Data collection and interpretation
- Alternative fuels
- Improving green performance in an operational context





Why SkillSea?

- Designed and piloted educational package
 - formulated intended learning outcomes
 - carefully considered and aligned learning, teaching and assessment methods
 - proposed syllabus and selected lesson plans
- Flexibility of application
- Collaboration and best practice sharing with European maritime education and training providers





Thank you!

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