

1. Title of the certificate <sup>(1)</sup>
Denizcilik Alanı
Gemi Makineleri İşletme Dalı
<sup>(1)</sup> In the original language

2. Translated title of the certificate <sup>(1)</sup>
Maritime Field
Vessel Machines Operating Branch
<sup>(1)</sup> If applicable. This translation has no legal status.

3. Profile of skills and competences
<p>The holder of this certificate;</p> <ul style="list-style-type: none"> <li>• Conducts oceanographic measurements, ship structure, sailor ties, basic navigation, basic ship electrical-electronics, basic technical drawings and ship machinery.</li> <li>• Conducts fire prevention and fire fighting, providing basic first aid at sea, providing personnel safety and social responsibility, personal life saving at sea, using lifesaving vehicles and safety awareness procedures foreseen by the international STCW agreement for all seafarers.</li> <li>• Swims in different water environments (sea, pool, lake, etc.) with appropriate swimming techniques.</li> <li>• Conducts the maintenance of main and auxiliary ship machinery and ship circuits.</li> <li>• Repairs and manufactures the ships with appropriate tools and bench.</li> <li>• Uses the terms related to ship structure, maritime law, maritime management, deck, maneuver, ship machinery, ship electronics and communication used in maritime affairs and SMCP patterns in written and oral form in English.</li> <li>• Carries out the procedures of national and international maritime conventions in force in shipping.</li> <li>• Performs maintenance and repair operations of hydraulic, pneumatic, electrical and electronic circuits of automation and control systems used on the ship.</li> <li>• Makes calculations related to force, strength, speed and acceleration.</li> <li>• Performs medical first aid and medical care on board, fast life-saving boat use, advanced fire prevention and fire fighting, tanker basic trainings and practices related to cruise ships.</li> <li>• Keeps machinery shifts in accordance with the provisions of international conventions in order to ensure the safety of personnel and the marine environment.</li> <li>• Makes calculations related to cycles by using the basic laws of thermodynamics.</li> </ul>

4. Range of occupations accessible to the holder of the certificate <sup>(1)</sup>
Can work as Oiler, Restricted Engineer Officer and Engineer Officer.
<sup>(1)</sup> If applicable

**<sup>(\*)</sup> Explanatory note**

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

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5. Official basis of the certificate													
<b>Name and status of the body awarding the certificate</b> Related secondary education institutions realising formal vocational and technical education which is subordinated to Ministry of National Education	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry of National Education												
<b>Level of the certificate (national or international)</b> Level 4 occupation according to EQF. Level 4 occupation according to TQF. It complies with ISCED 3. ISCED-F CODE: 0716	<b>Grading scale / Pass requirements</b> <table> <tr> <td><u>Score</u></td><td><u>Grade</u></td></tr> <tr> <td>85.00-100</td><td>Excellent</td></tr> <tr> <td>70.00-84.99</td><td>Good</td></tr> <tr> <td>60.00-69.99</td><td>Average</td></tr> <tr> <td>50.00-59.99</td><td>Passing</td></tr> <tr> <td>0-49.99</td><td>Fails</td></tr> </table>	<u>Score</u>	<u>Grade</u>	85.00-100	Excellent	70.00-84.99	Good	60.00-69.99	Average	50.00-59.99	Passing	0-49.99	Fails
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60.00-69.99	Average												
50.00-59.99	Passing												
0-49.99	Fails												
<b>Access to next level of education/training</b> The holder of this diploma can switch to higher education programs in line with related legislation.	<b>International agreements</b>												
<b>Legal basis</b> National Education Basic Law No. 1739 Vocational Education Law No. 3308 Regulation on Ministry of National Education Secondary Education Institutions International Maritime Standards of Training Certification and Watchkeeping (STCW) Training Certification Instruction													

6. Officially recognised ways of acquiring the certificate						
1. Completing vocational and technical Anatolian High School, Anatolian vocational or Anatolian technical program providing four-year education 2. Successfully completing education program related to his/her field on vocational open education high school						
Vocational education takes 3 years after 9th grade of formal education and the percentage and duration of theoretical and applied education within the program are indicated below. Vocational education is provided both theoretical and applied.						
Description of vocational education and training received	Percentage of total programme (%)			Duration (hours/weeks/months/years)		
	Anatolian Vocational Program	Anatolian Technical Program	Vocational Training Center	Anatolian Vocational Program	Anatolian Technical Program	Vocational Training Center
School-/training centre-based	80	93	-	86	108	-
Workplace-based	20	7	-	22	8	-
<b>Total duration of the education/ training leading to the certificate</b>				108	116	-

**Entry requirements**

1. For formal vocational education, completing lower secondary school and not exceeding age limit according to related legislation
2. For vocational open education highschool, completing lower secondary school
3. Achieving year-end success average in line with related legislation after 9th grade which is common for Anatolian technical program
4. Achieving entrance exam for secondary education institutions for entering vocational and technical Anatolian High School, Anatolian vocational or Anatolian technical program

**Additional information**

This EUROPASS Certificate Supplement is prepared for graduates of 2021-2023.

**More information (including a description of the national qualifications system) available at:**

[www.myk.gov.tr](http://www.myk.gov.tr)

[www.tyc.gov.tr](http://www.tyc.gov.tr)

**Europass**

<https://www.europass.gov.tr/>

<https://europass.cedefop.europa.eu/>

**National Reference Point**

<http://urn.meb.gov.tr>