Certificate supplement(*)

Turkey

1. Title of the certificate (1)
Kimya Teknolojisi Alanı Proses Dalı
(1) In the original language

2. Translated title of the certificate (1)
Chemical Technology Field Process Branch
(1) If applicable. This translation has no legal status.

3. Profile of skills and competences

The holder of this certificate;

- In line with 21st-century skills and a design-thinking approach, students acquire skills that will facilitate professional development in the areas of “professional ethics and the Ahilik tradition, occupational health and safety, technological advancements and industrial transformation, environmental protection, entrepreneurial ideas, starting and running a business, and intellectual and industrial property rights.”
- Performs basic chemical processes in accordance with occupational health and safety measures.
- Performs professional calculations in accordance with occupational health and safety measures.
- In accordance with occupational health and safety measures, the student examines organic compounds using proper techniques and isolates aliphatic hydrocarbons, alcohols, ethers, aldehydes, ketones, nitrogen-containing aliphatic compounds, esters, oils, and aromatic compounds, and analyzes their properties.
- Performs basic operations related to chemical processes and operations.
- Performs calculations and applications related to the properties of gases, energy in reactions, reaction rates, equilibrium, and electrochemical cells.
- Uses crushing, grinding, and screening equipment; performs mixing, separation, distillation, and precipitation processes; prepares dryers and pressure vessels; and separates and stores waste.
- Reads and interprets basic technical drawings, process flow diagrams, and control systems.

4. Range of occupations accessible to the holder of the certificate (1)

- Can work as a chemical process worker or an assistant chemical process operator.

1) If applicable

(*) 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

Name and status of the body awarding the certificate Related secondary education institutions realising formal vocational and technical education which is subordinated to Ministry of National Education	**Name and status of the national/regional authority providing accreditation/recognition of the certificate** Ministry of National Education
Level of the certificate (national or international) Level 4 occupation according to EQF. Level 4 occupation according to TQF. It complies with ISCED 3. ISCED-F CODE: 0713, 0711	**Grading scale / Pass requirements** Score — Grade 85.00-100 — Excellent 70.00-84.99 — Good 60.00-69.99 — Average 50.00-59.99 — Passing 0-49,99 — Fails
Access to next level of education/training The holder of this diploma can switch to higher education programs in line with related legislation.	**International agreements**

Legal basis

National Education Basic Law No. 1739

Vocational Education Law No. 3308

Regulation on Ministry of National Education Secondary Education Institutions.

Regulation on the Protection of Employees from the Hazards of Explosive Atmospheres

Regulation on Manual Handling Operations

Regulation on Health and Safety Measures in Working with Chemical Substances

Regulation on the Protection of Employees from Risks Related to Vibration

Regulation on the Protection of Employees from Risks Related to Noise

Türk Loydu Standards

Level 4 National Occupational Standard for Ship Recycling Operations Supervisor, published in Official Gazette No. 29088 (Supplement) dated 14 August 2014

Level 4 National Occupational Standard for Composite Product Manufacturing Operator, published in Official Gazette No. 30255 (Supplement) dated 29 November 2017

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

The duration of formal education is 4 years starting in 9th grade; the percentage and duration of each component within the program are listed below. Vocational training consists of both theoretical and practical components.

Description of vocational education and training received	Percentage of total programme (%)			Duration (hours/weeks/months/years)		
	Anatolian Vocational Program	Anatolian Technical Program	Vocational Training Centre	Anatolian Vocational Program	Anatolian Technical Program	Vocational Training Centre
School-/training centre-based	85	93	-	122	108	-
Workplace-based	15	7	-	22	8	-
Total duration of the education/ training leading to the certificate				144	116	-

Entry requirements

1. To enroll in formal vocational education, applicants must have completed middle school and not exceed the age limit specified in the relevant regulations
2. To enroll in a vocational open-learning high school, applicants must have completed middle school
3. To enroll in the Anatolian Vocational and Anatolian Technical programs at an Anatolian vocational and technical high school, applicants must pass the secondary school entrance exam or be admitted through the centralized placement system.

Additional information

This EUROPASS Certificate Supplement has been prepared for students who graduate from the relevant program in 2024 and beyond.

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

www.myk.gov.tr
www.tyc.gov.tr

Europass

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

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

National Reference Point

http://urn.meb.gov.tr