



# Turkmen State Architecture and Construction Institute

**IT Scientific and Technical Center**

# About the Center

The IT Scientific and Technical Center of the Turkmen State Architecture and Construction Institute provides education and professional training based on the license issued by the Ministry of Education of Turkmenistan on May 8, 2024, under No. 1-15-24-147.



# Fields of Study

- Currently, the IT Scientific and Technical Center offers training in the following areas:
- Languages: English, Russian, German
- Mathematics
- Computer Literacy
- Valuation (appraisal profession)
- Art
- Electric Equipment Maintenance
- Electromontage (up to 1000V)
- Automobile Repair
- Chemical Analysis Laboratory
- Water and Heat Supply System Installation
- Boiler Operation (Liquid and Gas Fuel)
- Construction Techniques and Technologies
- Reinforcement and Welding of Mesh Structures
- Concrete Work
- Occupational Safety and Technical Security Instructor
- Turning (Lathe Work)
- Electric and Gas Welding
- Applied Geodesy
- Fundamentals of Psychology and Pedagogy
- Small and Medium Business Management
- Industrial Safety
- Environmental Safety

# Language Courses

- The aim of language courses is to teach pronunciation, grammar, and vocabulary required for communication. The final goal is to enable students to speak the language, understand written texts of moderate complexity, and comprehend their meaning.

- **English**
- **Russian**
- **German**



# English

- English Language Proficiency Levels:

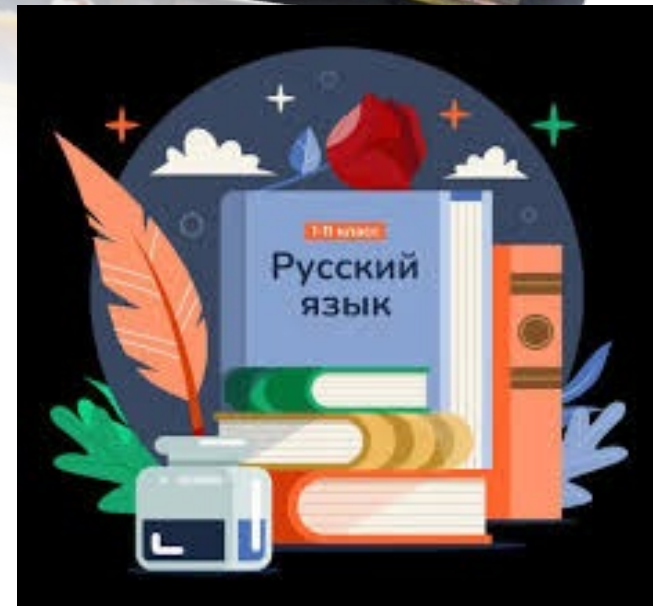
1	A1 (Beginner)
2	A2 (Elementary)
3	B1 (Pre-Intermediate)
4	B2 (Intermediate)
5	C1 (Upper-Intermediate)
6	C2 (Advanced)



# Russian

- Russian Language Proficiency Levels:

1	A1 (Elementary)
2	A2 (Basic)
3	B1 (Intermediate)
4	B2 (Upper Intermediate)



# German



- German Language Proficiency Levels:

1	A1.1 (Beginner)
2	A1.2 (Beginner)
3	A2.1 (A2.1 (Intermediate))
4	A2.2 (Intermediate)
5	B1.1 (Advanced)



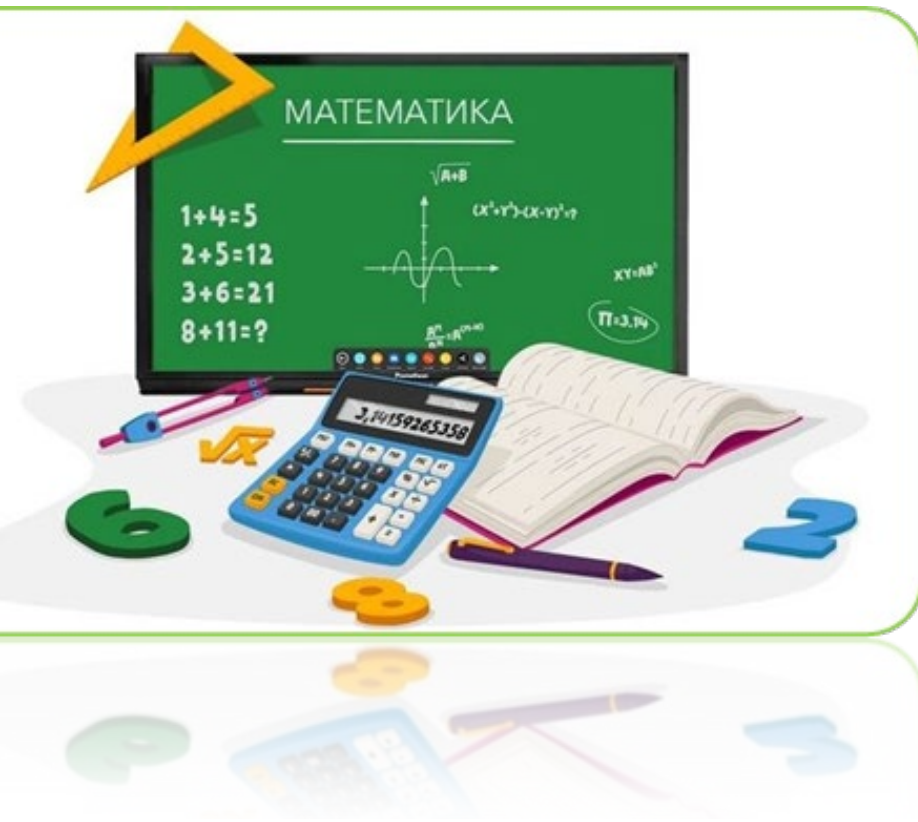
# Computer Literacy

- 1. Basic Computer Literacy I – Microsoft Word, Excel, PowerPoint
- 2. Computer Literacy II – Adobe Photoshop, CorelDRAW
- 3. Computer Literacy III – 3DS Max, AutoCAD





# Mathematics



1. Mathematics I
2. Mathematics II
3. Mathematics III

The mathematics courses aim to develop logical thinking and analytical skills through fundamental mathematical principles and problem-solving techniques.

# Artist

- Skills to use brush, color, pencil, gouache, oil paints.
- Color harmony in architecture: types of visual arts.



# Valuation (Appraisal Studies)



- 1. Fundamentals of Valuation: Real Estate Appraisal
- 2. Appraisal of Machinery, Equipment, and Vehicles
- 3. Business Valuation
- 4. Intellectual Property and Intangible Asset Valuation



# Small and Medium Business Management

Turkmenistan's Economy  
Fundamentals of Market  
Economy  
Business Communication Ethics  
Fundamentals of  
Entrepreneurship  
Human Resource Management  
Practical Management  
Market Research  
Information Management  
Organizational Skills for  
Managers  
Strategic Management  
Project Management  
General Management

- Courses cover:



# Fundamentals of Psychology and Pedagogy



- This course focuses on human productivity from a psychological perspective and its application in business management, scientific control, and supervision systems.

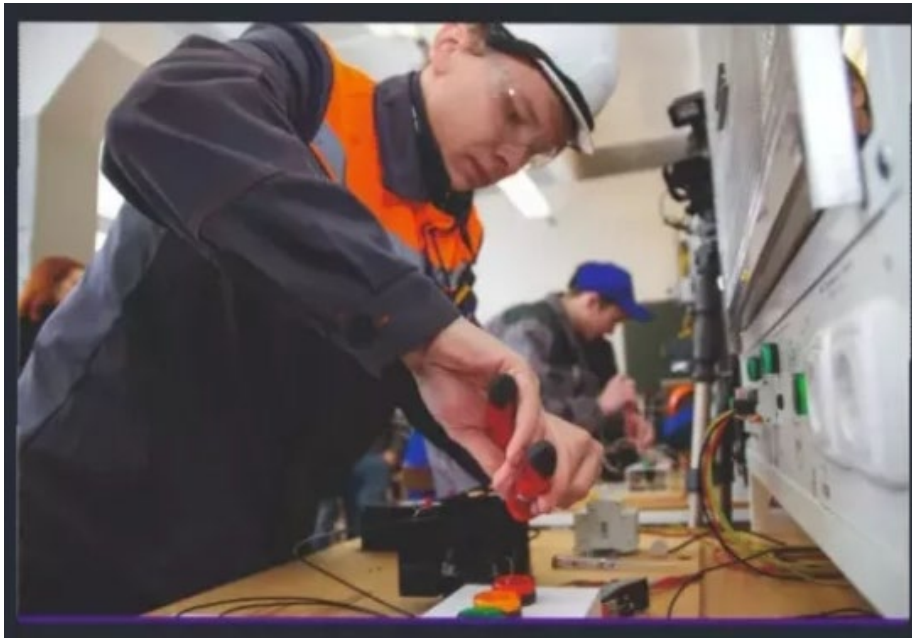
# Technical and Professional Training

- Courses are designed to enhance safety knowledge, improve technical skills, and ensure practical application in industrial settings.

## Courses

1.	Electric Equipment Repair Technician
2.	Electromontage (up to 1000V)
3.	Automobile Repair Technician
4.	Chemical Analysis Laboratory
5.	Water and Heat Supply System Installation
6.	Boiler Operator (Liquid and Gas Fuel)
7.	Reinforcement and Welding Specialist
8.	Concrete Worker
9.	Occupational Safety and Technical Security Instructor
10.	Turning (Lathe Work)
11.	Electric and Gas Welding
12.	Applied Geodesy
13.	Small and Medium Business Management
14.	Environmental Safety
15.	Industrial Safety Management

# Electric Equipment Repair Technician



- Teaches methods for analyzing energy efficiency, optimizing electrical currents and power, modeling load diagrams, and calculating electrical supply needs.

# Boiler Operator (Liquid and Gas Fuel)



Covers safe operation of industrial boilers, technical equipment, and maintenance protocols to ensure efficiency and fire safety compliance.



# Reinforcement and Welding Specialist

- Trains professionals for industrial and construction projects, covering metal properties, safety regulations, and welding techniques.



## Environmental Safety

An interdisciplinary course combining philosophy, law, economics, and natural sciences, emphasizing the sustainable development of society, technology, and biosphere protection.



# Applied Geodesy



shutterstock.com - 2350516223

Covers topographic mapping, geodetic coordinate systems, engineering surveys, and precision measurement techniques.

# Industrial Safety Management

- Designed for professionals responsible for hazardous production facilities, ensuring compliance with occupational safety regulations.



-

# Occupational Safety and Technical Security Instructor

Focuses on workplace safety, modern production technology, equipment maintenance, and increasing labor productivity.

- .



# Concrete Worker

Trains specialists in concrete construction techniques and industrial safety standards.



# Automobile Repair Technician

Provides knowledge in vehicle maintenance and repair according to industrial safety regulations.

