

Dual Vocational Education Program

Rolling Stock Mechanic

Title of Vocational Educational Program:

Rolling Stock Mechanic.

Qualification to be Awarded in Georgian and English:

Secondary Vocational Qualification in Rail Motor vehicles.

Programme aims:

The aim of the secondary vocational education program is to prepare a specialist in rail motor transport, whose field of activity is servicing railway electric rolling stock.

Admission Prerequisites:

- Complete general education.

Employment Field and Opportunities:

After completing the secondary vocational education program in “Railway Electrical Motorized Unit” an individual can find employment in any state or private organization involved in providing rail motor transport services. This includes positions in railways, metro systems, locomotive depots, and electric locomotive and wagon manufacturing plants.

Structure and Modules:

The educational program includes 5 general modules worth 15 credits; 8 general vocational modules worth 25 credits, 10 concentration modules worth 50 credits. To be awarded the qualification, a person must accumulate at least 90 credits, the duration of study is 24 months.

Description of Qualification/Learning Outcomes:

The graduate can:

- Manage information about the profession;
- Draw details and diagrams in dimensions and scale;
- Calculate the main parameters of electrical equipment and installations;
- Ensure a safe working environment when working on railway transport facilities;
- Perform locksmith work;
- Inspect/repair the mechanical part of the rolling stock;
- Inspect/repair the traction engine and auxiliary machines of the rolling stock;
- Inspect/repair the power supply system of pneumatic-brake devices;
- Inspect/repair the pneumatic-brake system;
- Inspect/repair electrical and other equipment located on the roof;
- Inspect/repair high-voltage equipment of rolling stock;
- Inspect/repair low-voltage equipment of rolling stock;
- Inspect/repair diesel engine and hydromechanical reducer of rolling stock;
- Inspect/repair main units and diesel generator of rolling stock;
- Use high and low voltage equipment and locomotive signaling schemes.

Awarding Qualification:

To obtain a vocational qualification, a vocational student must accumulate credits from the modules specified in the vocational education program.

75% of the learning outcomes from the mandatory vocational modules in the vocational education program are achieved in a real work environment, an additional condition for granting a qualification is passing a qualification exam.

Location of Vocational Program Implementation:

The program will be implemented at the base of Railway Transport College and JSC Georgian Railway.

