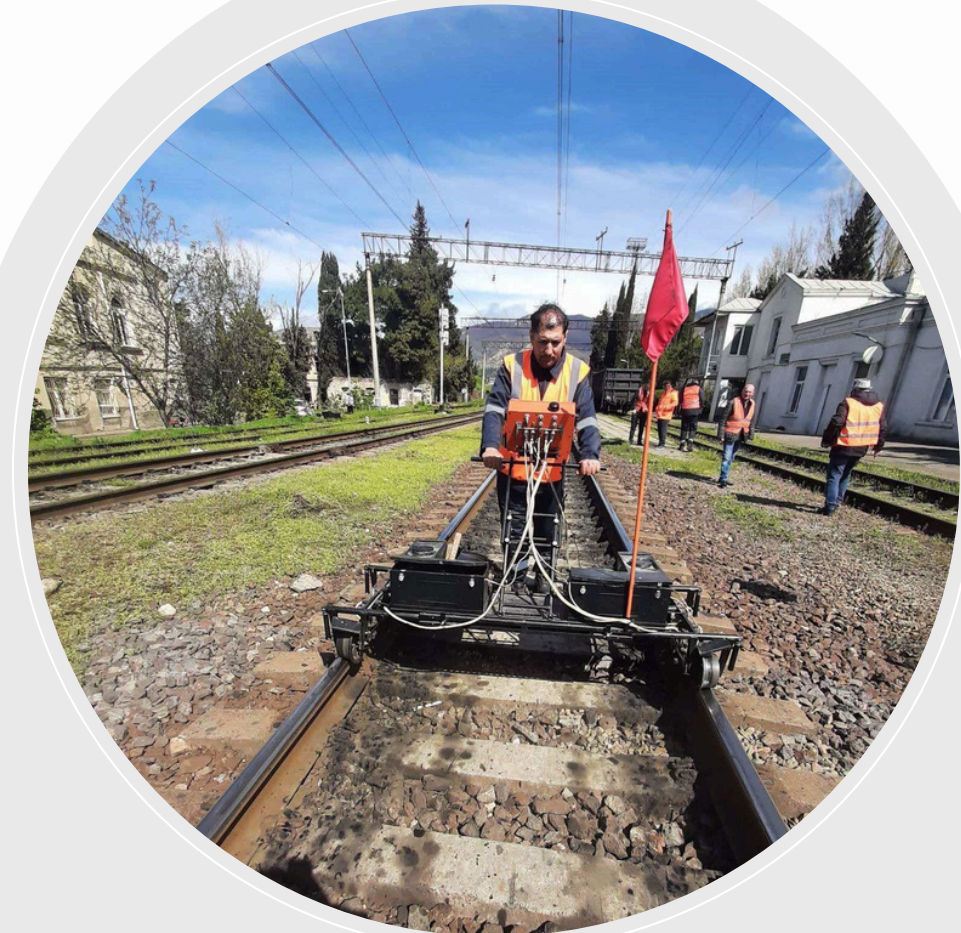


Dual Vocational Education Program

Monitoring of Railway Track



Title of Vocational Educational Program:

Monitoring of Railway Track.

Qualification to be Awarded in Georgian and English:

Basic Vocational Qualification in Road Construction.

Programme aims:

The aim of the basic vocational educational program is to provide the transport infrastructure sector with competent personnel capable of constructing and servicing railways, maintaining and repairing existing infrastructure, and reconstructing, rehabilitating, and monitoring railway tracks.

Admission Prerequisites:

- Basic education;
- Minimum age 18 years.

Employment Field and Opportunities:

Graduates can find employment in both the private and public sectors, where their activities will be related to the construction, reconstruction, operation of railways, and track monitoring.

Structure and Modules:

The educational program includes 5 general modules with a total of 14 credits; 5 general vocational modules with a total of 18 credits; in the direction of the optional concentration of railway track construction - 9 specialization modules with a total of 47 credits; also, optional modules are provided for railway track monitoring with a total of 16 credits. To be awarded the qualification, a person must accumulate at least 95 credits, the duration of study is 24 months.

Description of Qualification/Learning Outcomes:

The graduate can:

- Manage information about the profession;
- Describe the basic principles of organizational arrangement in a specific profession;
- Set and implement specific goals for professional growth and development;
- Select track mechanisms, tools and materials;
- Check the operation of track mechanisms and work tools;
- Delimit the work area with signaling signs;
- Carry out maintenance work on earthworks and artificial structures;
- Align the track and the complete switch in the longitudinal profile and scale;
- Align the track in the plan (rectification);
- Align the grooved track;
- Adjust the track width and side rails;
- Clear the track and switch from snow;
- Replace the elements of the track superstructure and switch;
- Reassemble the insulating rails and contact rail joints;
- Lay the track;
- Relieve the temperature stress in the rail joints of the non-contact track;
- Inspect the condition of rails, ties, sleepers, ballast, switchgear, level crossings, signals and track markings, earthworks, artificial structures and right-of-way.

Awarding Qualification:

To obtain the qualification, a student must accumulate credits from the modules specified in the vocational education program. 53.1% of the learning outcomes from the mandatory vocational modules are achieved in a real work environment. An additional requirement for granting the 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.