

Dual Vocational Education Program

Construction of Railway Track

Title of Vocational Educational Program:

Construction 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 who will be able to construct railways, service, maintain existing infrastructure, repair, reconstruct, rehabilitate, and monitor railway tracks.

Admission Prerequisites:

- Basic education;
- Minimum age 18 years.

Employment Field and Opportunities:

After completing the basic vocational program in "Railway Track Construction," a person can be employed in private and public sectors whose activities are related to railway construction, reconstruction, and exploitation.

Structure and Modules:

The educational program includes 5 general modules with a total of 14 credits; 5 common vocational modules with a total of 18 credits; in the concentration direction - 9 specialization modules with a total of 47 credits; to be awarded the qualification, a person must accumulate at least 79 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 the specific profession;
- Set and implement specific professional growth and development goals;
- Select track mechanisms, tools, and materials;
- Check the functionality of track mechanisms and working tools;
- Mark work areas with signal signs;
- Maintain earthwork and artificial structures;
- Align track and switch in longitudinal profile and level;
- Align track in plan (rectification);
- Correct track with bumps;
- Regulate track width and joint gaps;
- Clear track and switches from snow;
- Replace track superstructure and switch elements;
- Reassemble insulating joints and contact rail assemblies;
- Lay track;
- Release temperature stress in continuous welded rail strings;
- Inspect the condition of rails, fasteners, sleepers, ballast, switches, railway crossings, signal and track signs, earthwork, artificial structures, and right-of-way.

Awarding Qualification:

To obtain the qualification, students must accumulate the credits specified by the modules in the vocational education program. 72.2% of the learning outcomes specified by the vocational modules of the vocational education program are achieved in a real work environment. An additional condition for awarding the qualification is passing the qualification exam.

Location of Vocational Program Implementation:

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

