

# Cooperative Vocational Education Program

## Welding

### **Title of Vocational Educational Program:**

Welding.

### **Qualification to be Awarded in Georgian and English:**

Secondary Vocational Qualification in Welding.

### **Programme aims:**

The program aims to provide competitive personnel in welding in both the local and international markets.

### **Admission Prerequisites:**

- Complete general education;
- "Medical Documentation Form No. IV-100/A", Health Certificate.

### **Employment Field and Opportunities:**

A holder of a secondary vocational qualification in welding can work as a welder or cutter, performing tasks such as welding or cutting metal parts using a gas burner, electric arc, or other heating methods. This qualification offers employment opportunities in relevant organizations within the field.

### **Structure and Modules:**

The secondary vocational qualification in welding includes 2 general modules with a total of 7 credits. 9 general vocational modules with a total of 32 credits. 11 vocational modules with a total of 40 credits.

To be awarded the secondary vocational qualification in welding, a person must accumulate 79 credits. The duration of the training is 15 months.

### **Description of Qualification/Learning Outcomes:**

The graduate can:

- Weld metal parts using a gas torch, electric arc, thermal compounds, or other methods;
- Use a soldering iron to repair lead-containing products (such as pipes and surfaces);
- Join metal parts with a hard component;
- Cut metal using a gas torch or electric arc;
- Join metal parts with a hand soldering iron using a soft component;
- Select the appropriate mode for thermal preparation, adjustment, and welding processes to prevent unwanted material deformation, overheating, twisting, compression, or expansion;
- Identify defects and flaws in metalwork;
- Verify the accuracy of the work performed to ensure compliance with the specifications;
- Ensure the quality of welding processes;
- Use computer technologies to control welding processes;
- Use and communicate technical information;
- Plan the welding process.

### **Awarding Qualification:**

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

### **Location of Vocational Program Implementation:**

The program will be implemented at the base of (N)NLE Railway Transport College.

