



Catalogue of educational programmes: Construction. Road and bridge construction

Mode of study: intramural / intramural-distance
Language of study: Russian
English, accompanied by an interpreter (on request)

No.	Code	Name of the programme	Educational programme	Short summary	Category of listeners	Period of study	Cost in USD
1.	4.1.01	Bricklayer	Vocational courses	As a result of the educational programme mastering, you will be competent in: laying and repairing masonry structures of buildings; foundation; assembly of precast concrete and reinforced concrete structural elements; installation of window and door frames and blocks; installation of partition walls made of bricks and various slabs.	Employees of organizations, enterprises	from 1 month	200
2.	4.1.02	Painter, plasterer, tiler	Vocational courses	As a result of the training, you will know: the purpose and application rules of tools, devices when performing painting, plastering and tile works; the titles and types of paints, varnishes, enamels, primers, putties and their properties; the methods of painting and plastering simple surfaces; the types and purpose of cladding. As a result of the training, you will be able to: prepare surfaces for painting, plastering and facing; apply plasters when leveling surfaces in certain places; prepare surfaces and perform simple painting work on colouring decorations; perform solid leveling of surfaces with finishing mortar (one-coat work); perform sorting and laying ceramic, glass, asbestos-cement and other tiles by size, colour and grade.	Youth and adults Employees of organizations, enterprises Teachers, masters of industrial training	from 1 month	110
3.	4.1.03	Adjuster of sanitary-engineering systems and equipment	Vocational courses	As a result of the training, you will know: the types and purpose of sanitary-engineering materials and equipment; the grades of pipes, fittings, adapter fittings, plumbingware and fasteners; the purpose of bench work tools; the methods of measuring the diameter of pipes, fittings, plumbingware and leak-proofing materials. As a result of the training, you will be able to: dismantle individual pipeline units (during installation); install and seal fixtures for appliances and pipelines; complete pipes and adapter fittings of the dropping pipes; perform installation of a water supply, heating, sewerage system using metal and polymer pipes; install and connect sanitary-engineering and heating appliances.	Youth and adults Employees of organizations, enterprises Teachers, masters of industrial training	from 1 month	200

4.	4.1.05	Worker for complex maintenance and repair of buildings and structures	Vocational courses	<p>As a result of the training, you will know: the fundamentals of repair and construction works and methods of their implementation; the types of materials; the purpose and arrangement of tools, fixtures, machines, mechanisms and equipment in the course of work.</p> <p>As a result of the training, you will be able to perform: a periodic inspection of the technical condition of the maintained buildings, structures, equipment and mechanisms, their maintenance and routine repairs with the implementation of various types of repair and construction works (plastering, painting, wallpapering, concreting, carpentry, joinery, etc.); routine repairs and maintenance of central heating systems, water supply, sewerage, gas supply, drain sewage system, heat supply, ventilation, air conditioning and other equipment, mechanisms and structures with performance of plumbing, soldering and welding works; installation, dismantling and routine repairs of electrical systems and electrical equipment with performance of electrical works.</p>	Youth and adults Employees of organizations, enterprises Teachers, masters of industrial training	from 1 month	225
5.	4.1.06	Electrician for repair and maintenance of electrical equipment	Vocational courses	<p>As a result of the training, you will know: the design and principle of operation of maintained electric motors, generators, switchgear equipment, electrical networks and electrical appliances, oil switches, fuses, electric contactors, batteries, controllers, mercury and silicon rectifiers, other electrical equipment and electrical appliances; the design and purpose of starting and control devices; the methods for high voltage wires replacing, splicing and soldering.</p> <p>As a result of the training, you will be able to perform: load leveling of electrical equipment; repair, charging and installation of explosion-proof fittings; the making off, splicing, insulation and soldering of wires and cables with voltage over 1000 V; maintenance and repair of solar and wind power plants with capacity over 50 kW; repair, inspection and maintenance of electrical equipment with performing the tasks of disassembly, assembly, adjustment and maintenance of electrical appliances.</p>	Youth and adults Employees of organizations, enterprises Teachers, masters of industrial training	from 1 month	200
6.	4.1.07	Electric and gas welder	Vocational courses	<p>As a result of the training, you will know: the arrangement of serviced electric welding and plasma cutting machines, gas welding equipment, automatic machines, semi-automatic devices and a plasma torch; the requirements for the weld and surfaces after air planing; the methods for selecting electrode grades depending on steel grades; the rules for preparing parts and assemblies for welding and sealing; the basic technological methods of welding and surfacing of parts made of various steels, cast iron, non-ferrous metals and alloys; the cutting mode and gas consumption during oxygen and gas-electric cutting.</p> <p>As a result of the training, you will be able to perform: a manual arc, plasma, gas welding, automatic and semi-automatic welding of articles made of sectional steel, non-ferrous metals and alloys, pipelines made of carbon steels; oxygen plasma straight-line and curvilinear cutting in various positions of metals, parts made of carbon and alloy steels, non-ferrous metals and alloys.</p>	Youth and adults Employees of organizations, enterprises Teachers, masters of industrial training	from 1 month	225
7.	4.1.08	Electric	Vocational	As a result of the training, you will know: the arrangement of used welding	Youth and adults	from 1	200

		welder on automatic and semi-automatic machines	courses	<p>machines, semi-automatic devices, plasma torches and power supply equipment; the properties and purpose of welding materials; the main types of welded seams control; the rules for setting welding modes according to specified parameters.</p> <p>As a result of the training, you will be able to perform: automatic and semi-automatic gas-shielded welding of parts and assemblies made of carbon and structural steels using a continuous electrode wire; automatic and mechanized welding of assemblies, parts, structures and pipelines made of carbon and structural steels using a plasma torch; building-up of simple and medium complexity parts and assemblies.</p>	<p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	month	
8.	4.1.09	Mechanized priming, painting, rough puttying, grinding when performing finishing painting works in construction and repair. Methods and techniques for working with equipment	Vocational courses	<p>As a result of the training, you will know: the types of airless application devices, their features, technical characteristics by the example of Storch, Hayvest devices; the types of guns and nozzles for various equipment and materials; the types and kinds of consumables and component parts; the techniques for applying primer, paint and putty; the techniques for smoothing putty with two-handed Storch putty knives; the techniques for working with grinders for putty, the types and kinds of grinding surfaces used for various types of putty.</p> <p>As a result of the training, you will be able to: choose the type and kind of apparatus, components and consumables for performing a specific type of painting work (priming, painting, rough puttying, grinding); perform a high-quality application of primer, paint, putty with airless application devices (Airless), perform a high-quality grinding of putty in a mechanized way.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 day	90
9.	4.1.10	Training in safe working methods and techniques of on "TYPHOON" universal road repair unit	Vocational courses	<p>As a result of the training, you will know: the purpose, main characteristics, principle of operation of "Typhoon" universal road repair unit; BIS-310M-01 machines for patching asphalt concrete pavements; the characteristics of the main materials and mechanisms used.</p> <p>As a result of the training, you will be able to: correctly inspect and ensure a safe work on "Typhoon" universal road repair unit and BIS-310M-01 asphalt patching machine.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 day	40
10.	4.1.11	Performance of welding and soldering works for joining products made of metals and polymers	Vocational courses	<p>As a result of the training, you will be able to perform: socket and butt-seam welding of polymer pipes; soldering of copper pipes with soft solders; mechanized welding of plates and pipes.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 day	100
11.	5.1.05	Planning the configuration	Vocational courses	<p>As a result of the training, you will know: the arrangement and principle of operation of sanitary systems in washrooms; the installation rules of water</p>	<p>Students of secondary specialized / higher</p>	from 1 day	150

		of washrooms, taking into account the joint work of the components		supply, sewerage and ventilation systems for their optimal operation; the norms and requirements for drinking water; the sanitary equipment used for washrooms. You will be able to select the optimal operation of sanitary systems and plan the arrangement of washrooms.	education institutions, young scientists Employees of organizations, enterprises Teachers, masters of industrial training		
12.	6.1.01	Electrician for repair and maintenance of electrical equipment	Vocational courses	As a result of the training, you will be able to: perform work at power plants, transformer electrical substations; conduct an audit of transformers, switches, disconnectors and drives to them; regulate the load of electrical equipment installed in the serviced area; carry out maintenance and repair of solar and wind power plants with capacity over 50 kW; repair, inspect and maintain electrical equipment with disassembly, assembly, adjustment and maintenance of electrical appliances, electromagnetic, magnetoelectric and electrodynamic systems; lay cable connections and wiring; charge batteries; check the markings of simple wiring and schematic circuit diagrams; identify and eliminate failures, malfunctions and damage to electrical equipment with simple switching circuits.	Students of secondary specialized / higher education institutions, young scientists Employees of organizations, enterprises Teachers, masters of industrial training	from 1 day	130
13.	6.1.02	Electrician for repair and maintenance of electrical equipment	Vocational courses	As a result of the training, you will be able to: perform work at power plants, transformer electrical substations; conduct an audit of transformers, switches, disconnecting switches and drives to them; regulate the load of electrical equipment installed in the serviced area; carry out maintenance and repair of solar and wind power plants with capacity over 50 kW; repair, inspect and maintain electrical equipment with disassembly, assembly, adjustment and maintenance of electrical appliances, electromagnetic, magnetoelectric and electrodynamic systems; lay cable connections and wiring; charge batteries; check the markings of simple wiring and schematic circuit diagrams; identify and eliminate failures, malfunctions and damage to electrical equipment with simple switching circuits.	Youth and adults	from 1 month	170
14.	7.1.01	Working with OKO-2 Georadar	Vocational courses	As a result of the training, you will know: a georadar operation principles and use specification. You will be able to perform search for local objects, engineering structures investigation and data processing.	Youth and adults	from 1 year	140
15.	7.1.02	Working with Trimble S6 Robotic Tachometer	Vocational courses	As a result of the training, you will know: a tachometer operation principles and use specification; a tachometer installing rules at the observation site, taking readings; technologies for setting out the design of engineering structures; the rules and procedure for conducting control checks of the constructions' horizontal and vertical position. You will be able to a range of field works with a tachometer; carry out geodetic preparation of the facilities project and works when setting out the	Youth and adults Students of secondary specialized / higher education institutions, young scientists	from 1 week	140

				project.	Employees of organizations, enterprises		
16.	7.1.03	Working with Trimble Dini M3 Tachometer	Vocational courses	<p>As a result of the training, you will know: a tachometer operation principles and use specification; a tachometer installing rules at the observation site, taking readings; technologies for setting out the design of engineering structures; the rules and procedure for conducting control checks of the constructions' horizontal and vertical position.</p> <p>You will be able to a range of field works with a tachometer; carry out geodetic preparation of the facilities project and works when setting out the project.</p>	Youth and adults Students of secondary specialized / higher education institutions, young scientists Employees of organizations, enterprises	from 1 week	125
17.	7.1.04	Working with Trimble Dini Digital Level	Vocational courses	<p>As a result of the training, you will know: a level operation principles and use specification; the rules for installing a level at the observation site, taking readings; technologies for setting out the design of engineering facilities.</p> <p>You will be able to: keep to a range of field rules and structures' position checking procedure; carry out geodetic preparation of the facilities project and works when setting out the project</p>	Youth and adults Students of secondary specialized / higher education institutions, young scientists Employees of organizations, enterprises	from 1 week	125
18.	7.1.05	Working with ZDL 700 Digital Level	Vocational courses	<p>As a result of the training, you will know: a level operation principles and use specification; the rules for installing a level at the observation site, taking readings; technologies for setting out the design of engineering facilities.</p> <p>You will be able to: keep to a range of field rules and structures' position checking procedure; carry out geodetic preparation of the facilities project and works when setting out the project</p>	Youth and adults Students of secondary specialized / higher education institutions, young scientists Employees of organizations, enterprises	from 1 week	125
19.	7.1.06	Geodetic Data Processing in Credo_DAT Programme	Vocational courses	<p>As a result of the training, you will know: the methods and techniques for automated processing of geodetic measurements; the features of the field data collection technology and field coding capabilities in CREDO.</p> <p>You will be able to use modern computer technologies, CREDO software tools for processing field geodetic measurements and creating a digital terrain model for engineering purposes</p>	Youth and adults Students of secondary specialized / higher education institutions, young scientists Employees of organizations,	from 1 week	120

					enterprises		
20.	7.1.07	Top-Road Bridges Diagnostics	Vocational courses	<p>As a result of the training, you will know: the main stages of the top-road bridges diagnostics.</p> <p>You will be able to determine the strength characteristics of the bridge structural elements using ONIKS-2.6 appliance, the presence and depth of cracks using Pulsar-2.1 appliance, the probability of reinforcement corrosion in reinforced concrete elements using ARMcor-1 appliance, the location and diameter of reinforcing bars, as well as the size of the concrete cover using Profometr PM-600 appliance, processing of the obtained data during the measurement.</p>	<p>Youth and adults</p> <p>Students of secondary specialized / higher education institutions, young scientists</p> <p>Employees of organizations, enterprises</p>	from 1 week	195
21.	4.2.01	Bricklayer	Retraining	<p>This educational programme will allow you, having a labour qualifications, to be retrained in a new blue-collar occupation. As a result of the educational programme mastering, you will be competent in: laying and repairing masonry structures of buildings; foundation; assembly of precast concrete and reinforced concrete structural elements; installation of window and door frames and blocks; installation of partition walls made of bricks and various slabs.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	130
22.	4.2.02	Painter	Retraining	<p>As a result of the training, you will know: the arrangement and operation rules of the equipment used (spray guns, compressors, oil-water separators, etc.); the ways of preparing surfaces for various classes of finishes; methods of coloring products made of various materials; the modes of drying (polymerization) of paint and varnish coatings; the requirements for the preparation of building structures' surfaces and products for painting and gluing.</p> <p>As a result of the training, you will be able to perform: application of paints and varnishes on the surface of parts and products; cleaning of painted surfaces from corrosion, scale, fouling, old paintwork using hand-held electric and pneumatic tools; puttying, grinding puttied surfaces, priming and painting with a brush, roller, a paint sprayer; making simple stencils; selection of color according to given samples.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	90
23.	4.2.03	Adjuster of sanitary-engineering systems and equipment	Retraining	<p>As a result of the training, you will know: the types and purpose of sanitary-engineering materials and equipment; the grades of pipes, fittings, adapter fittings, plumbingware and fasteners; the purpose of bench work tools; the methods of measuring the diameter of pipes, fittings, plumbingware and leak-proofing materials.</p> <p>As a result of the training, you will be able to: dismantle individual pipeline units (during installation); install and seal fixtures for appliances and pipelines; complete pipes and adapter fittings of the dropping pipes; perform installation of a water supply, heating, sewerage system using metal and polymer pipes; install and connect sanitary-engineering and heating appliances.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	130
24.	4.2.04	Worker for	Retraining	<p>As a result of the training, you will know: the fundamentals of repair and</p>	<p>Youth and adults</p>	from 1	140

		complex maintenance and repair of buildings and structures		<p>construction works and methods of their implementation; types of materials; purpose and arrangement of tools, fixtures, machines, mechanisms and equipment in the course of work.</p> <p>As a result of the training, you will be able to perform: a periodic inspection of the technical condition of the maintained buildings, structures, equipment and mechanisms, their maintenance and routine repairs with the implementation of various types of repair and construction works (plastering, painting, wallpapering, concreting, carpentry, joinery, etc.); routine repairs and maintenance of central heating systems, water supply, sewerage, gas supply, drain sewage system, heat supply, ventilation, air conditioning and other equipment, mechanisms and structures with performance of plumbing, soldering and welding works; installation, dismantling and routine repairs of electrical systems and electrical equipment with performance of electrical works.</p>	<p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	month	
25.	4.2.05	Electrician for repair and maintenance of electrical equipment	Retraining	<p>As a result of the training, you will know: the arrangement and principle of operation of maintained electric motors, generators, switchgear equipment, electrical networks and electrical appliances, oil switches, fuses, electric contactors, batteries, controllers, mercury and silicon rectifiers, other electrical equipment and electrical appliances; the design and purpose of starting and control devices; the methods for high voltage wires replacing, splicing and soldering.</p> <p>As a result of the training, you will be able to perform: load leveling of electrical equipment; the repair, charging and installation of explosion-proof fittings; making off, splicing, insulation and soldering of wires and cables with voltage over 1000 V; maintenance and repair of solar and wind power plants with capacity over 50 kW; repair, inspection and maintenance of electrical equipment with performing the tasks of disassembly, assembly, adjustment and maintenance of electrical appliances.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	130
26.	4.2.06	Electric and gas welder	Retraining	<p>As a result of the training, you will know: the arrangement of serviced electric welding and plasma cutting machines, gas welding equipment, automatic machines, semi-automatic devices and a plasma torch; the requirements for the weld and surfaces after air planing; the methods for selecting electrode grades depending on steel grades; the rules for preparing parts and assemblies for welding and sealing; the basic technological methods of welding and surfacing of parts made of various steels, cast iron, non-ferrous metals and alloys; the cutting mode and gas consumption during oxygen and gas-electric cutting.</p> <p>As a result of the training, you will be able to perform: a manual arc, plasma, gas welding, automatic and semi-automatic welding of articles made of sectional steel, non-ferrous metals and alloys, pipelines made of carbon steels; the oxygen plasma straight-line and curvilinear cutting in various positions of metals, parts made of carbon and alloy steels, non-ferrous metals and alloys.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	140
27.	4.2.07	Electric welder on	Retraining	<p>As a result of the training, you will know: the arrangement of used welding machines, semi-automatic devices, plasma torches and power supply equipment;</p>	<p>Youth and adults</p>	from 1 month	130

		automatic and semi-automatic machines		<p>the properties and purpose of welding materials; the main types of control of welded seams; the rules for setting welding modes according to specified parameters.</p> <p>As a result of the training, you will be able to perform: automatic and semi-automatic gas-shielded welding of parts and assemblies made of carbon and structural steels using a continuous electrode wire; automatic and mechanized welding of assemblies, parts, structures and pipelines made of carbon and structural steels using a plasma torch; building-up of simple and medium complexity parts and assemblies.</p>	<p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>		
28.	4.3.01	Bricklayer	Advanced training	<p>This educational programme will allow you, having a blue-collar occupation "Bricklayer", to improve your labour qualifications. As a result of the educational programme mastering, you will be competent in: laying and repairing masonry structures of buildings; foundation; assembly of precast concrete and reinforced concrete structural elements; installation of window and door frames and blocks; installation of partition walls made of bricks and various slabs.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	100
29.	4.3.02	Painter	Advanced training	<p>As a result of the training, you will know: the arrangement and operation rules of the equipment used (spray guns, compressors, oil-water separators, etc.); the ways of preparing surfaces for various classes of finishes; the methods of coloring products made of various materials; the modes of drying (polymerization) of paint and varnish coatings; the requirements for the preparation of building structures' surfaces and products for painting and gluing.</p> <p>As a result of the training, you will be able to perform: application of paints and varnishes on the surface of parts and products; cleaning of painted surfaces from corrosion, scale, fouling, old paintwork using hand-held electric and pneumatic tools; puttying, grinding puttied surfaces, priming and painting with a brush, a roller, a paint sprayer; making simple stencils; selection of color according to given samples.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	60
30.	4.3.03	Adjuster of sanitary-engineering systems and equipment	Advanced training	<p>As a result of the training, you will know: the types and purpose of sanitary-engineering materials and equipment; the grades of pipes, fittings, adapter fittings, plumbingware and fasteners; the purpose of bench work tools; the methods of measuring the diameter of pipes, fittings, plumbingware and leak-proofing materials.</p> <p>As a result of the training, you will be able to: dismantle individual pipeline units (during installation); install and seal fixtures for appliances and pipelines; complete pipes and adapter fittings of the dropping pipes; perform the installation of a water supply, heating, sewerage system using metal and polymer pipes; install and connect sanitary-engineering and heating appliances.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 2 weeks	100
31.	4.3.05	Worker for complex maintenance	Advanced training	<p>As a result of the training, you will know: the fundamentals of repair and construction works and methods of their implementation; the types of materials; the purpose and arrangement of tools, fixtures, machines, mechanisms and</p>	<p>Youth and adults</p> <p>Employees of</p>	from 1 month	110

		and repair of buildings and structures		<p>equipment in the course of work.</p> <p>As a result of the training, you will be able to perform: a periodic inspection of the technical condition of the maintained buildings, structures, equipment and mechanisms, their maintenance and routine repairs with the implementation of various types of repair and construction works (plastering, painting, wallpapering, concreting, carpentry, joinery, etc.); routine repairs and maintenance of central heating systems, water supply, sewerage, gas supply, drain sewage system, heat supply, ventilation, air conditioning and other equipment, mechanisms and structures with performance of plumbing, soldering and welding works; installation, dismantling and routine repairs of electrical systems and electrical equipment with performance of electrical works.</p>	<p>organizations, enterprises</p> <p>Teachers, masters of industrial training</p>		
32.	4.3.06	Electrician for repair and maintenance of electrical equipment	Advanced training	<p>As a result of the training, you will know: the design and principle of operation of maintained electric motors, generators, switchgear equipment, electrical networks and electrical appliances, oil switches, fuses, electric contactors, batteries, controllers, mercury and silicon rectifiers, other electrical equipment and electrical appliances; the design and purpose of starting and control devices; methods for high voltage wires replacing, splicing and soldering.</p> <p>As a result of the training, you will be able to perform: load leveling of electrical equipment; repair, charging and installation of explosion-proof fittings; making off, splicing, insulation and soldering of wires and cables with voltage over 1000 V; maintenance and repair of solar and wind power plants with capacity over 50 kW; repair, inspection and maintenance of electrical equipment with performing the tasks of disassembly, assembly, adjustment and maintenance of electrical appliances.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	100
33.	4.3.07	Electric and gas welder	Advanced training	<p>As a result of the training, you will know: the arrangement of serviced electric welding and plasma cutting machines, gas welding equipment, automatic machines, semi-automatic devices and a plasma torch; the requirements for the weld and surfaces after air planing; the methods for selecting electrode grades depending on steel grades; the rules for preparing parts and assemblies for welding and sealing; the basic technological methods of welding and surfacing of parts made of various steels, cast iron, non-ferrous metals and alloys; the cutting mode and gas consumption during oxygen and gas-electric cutting.</p> <p>As a result of the training, you will be able to perform: a manual arc, plasma, gas welding, automatic and semi-automatic welding of articles made of sectional steel, non-ferrous metals and alloys, pipelines made of carbon steels; oxygen plasma straight-line and curvilinear cutting in various positions of metals, parts made of carbon and alloy steels, non-ferrous metals and alloys.</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p> <p>Teachers, masters of industrial training</p>	from 1 month	110
34.	4.3.08	Electric welder on automatic and semi-automatic	Advanced training	<p>As a result of the training, you will know: the arrangement of used welding machines, semi-automatic devices, plasma torches and power supply equipment; the properties and purpose of welding materials; main types of control of welded seams; the rules for setting welding modes according to specified parameters.</p> <p>As a result of the training, you will be able to perform: automatic and semi-</p>	<p>Youth and adults</p> <p>Employees of organizations, enterprises</p>	from 1 month	100

		machines		automatic gas-shielded welding of parts and assemblies made of carbon and structural steels using a continuous electrode wire; automatic and mechanized welding of assemblies, parts, structures and pipelines made of carbon and structural steels using a plasma torch; building-up of simple and medium complexity parts and assemblies.	Teachers, masters of industrial training		
35.	4.5.01	Industrial and civil construction. Construction and operation of buildings and structures	Secondary vocational education	Qualification: construction technician	Youth and adults Employees of organizations, enterprises Teachers, masters of industrial training	from 1 month	1650
36.	4.5.02	Equipment and technology of welding production	Secondary vocational education	Qualification: construction technician	Youth and adults	from 1 year	1650
37.	7.5.01	Industrial and civil construction (production activity)	Secondary vocational education	Upon completion of the training programme, the qualification of a construction technician is awarded. You will know: the classification of construction materials, their properties, scope of use, rules for acceptance and storage; the structures of civil, industrial and agricultural buildings and the basics of their design; the classification and mechanical-and-physical properties of soils; the fundamentals of foundations calculation; the geodetic instruments and pegging-out in the construction of buildings and structures; the types and purpose of the main construction machines, equipment and mechanized tools.	Youth and adults Students of secondary specialized / higher education institutions, young scientists Employees of organizations, enterprises	from 1 week	1650



List of Educational Programs: Food Production

Forms of Teaching: full-time

№ m	Set Number	Title of the Educational Program	Main Category	Description	Training language: 1	Target Audience: 1	Training Period	Price (USD)
1	6.1.03	Chemical- Bitumenological analysis Laboratorian	Professional courses	As a result of training, you will be able to: take samples for the analysis of food raw materials, semi-finished products, finished food products and prepare samples for research; carry out a variety of chemical and bacteriological water testing, food products, raw materials, semi-finished and finished products; complete laboratory test results.	Russian, English	Students of specialized secondary educational institutions / higher education institutions, young scientists, company/enterprise personnel, teachers, vocational training instructors	From 1 day	130
2	6.1.04	Chemical- Bitumenological analysis Laboratorian	Professional courses	As a result of training, you will be able to: take samples for the analysis of food raw materials, semi-finished products, finished food products and prepare samples for research; carry out a variety of chemical and bacteriological water testing, food products, raw materials, semi-finished and finished products; complete laboratory test results.	English (accompanied by an interpreter)	Youth and Adults	From 1 month	170
3	6.2.01	Grain Handling and Processing Operator	Retraining	As a result of training, you will be able to: maintain technological processes for the production of flour, cereals, animal feed; monitor the operation of technological equipment; identify and eliminate equipment failures; keep track of the amount of raw materials and finished products produced.	Russian	Youth and Adults	From 1 month	120
4	6.2.02	Alcohol Distillation and Rectification Process Operator	Retraining	As a result of training, you will be able to: service distillation plants; monitor the progress of the technological process, over the work of instrumentation; identify and eliminate problems arising during the operation of equipment; sanitize the installation; to keep records of the produced alcohol and	English (accompanied by an interpreter)	Youth and Adults	From 1 month	120

				rectification by-products.				
5	6.3.01	Alcohol Distillation and Rectification Process Operator	Advanced training	As a result of training, you will be able to: service distillation plants; to monitor the progress of the technological process, over the work of instrumentation; identify and eliminate malfunctions arising during the operation of equipment; sanitize the installation; to keep records of the produced alcohol and rectification by-products.	Russian	Youth and Adults	From 1 month	90
6	6.3.02	Filling and Packaging Machine Operator	Advanced training	As a result of training, you will be able to: maintain filling and packaging machines for liquid and bulk products; monitor their service ability, troubleshoot.	Russian	Youth and Adults	From 1 month	
7	6.3.03	Digesterman	Advanced training	As a result of training, you will be able to: load equipment with raw materials; maintain equipment for heat treatment of raw materials (brewing beer, sugar syrup, jams, confitures, etc.); monitor the progress of the technological process, unload the finished product; identify and eliminate equipment failures.	Russian	Youth and Adults	From 1 week	90
8	6.3.04	Bakery Products Production	Advanced training		Russian	Youth and Adults	From 1 week	90
9	6.5.05	Mechatronics (Food Production)	Secondary Vocational Education		Russian	Youth and Adults	From 1 week	
10	6.5.06	Mechatronics (Refrigeration Equipment)	Secondary Vocational Education		Russian	Youth and Adults	From 1 year	1650
11	6.5.07	Biotechnological Products Production	Secondary Vocational Education		Russian	Youth and Adults	From 1 year	1650
12	6.5.08	Technology of Bakery, Pasta and Confectionery Production	Secondary Vocational Education		Russian	Youth and Adults	From 1 year	1650
13	6.5.09	Fermentation and Wine-making Technology	Secondary Vocational Education		Russian	Youth and Adults	From 1 year	1650



List of Educational Programs: Industry

Forms of Training: full-time/on-site - distance

№	Set Number	Title of the Educational Program	Main Category	Description	Language of Training:	Target Audience: 1	Training Period	Cost (in USD)
1	2.1.01	Assembly, Diagnostics and Maintenance MPS Festo Stations	Professional courses	As a result of training, you will be able to: read and draw up pneumatic and electrical diagrams; compose UP for Siemens PLC and Siemens HMI touch panels; service, assemble, diagnose automated mechatronic systems with pneumatic, electrical, sensor elements; diagnose and fix malfunctions in mechatronic systems; assemble automated lines in accordance with international requirements; check the correct connection of electrical and pneumatic components using Simubox (optional *); check the Worldskills Test Project in accordance with international rules (optional *)	Russian	Heads of educational organizations, teachers, vocational training instructors, youth and adults	From 1 week	200
2	2.1.02	Mechatronics Fundamentals	Professional courses	As a result of training, you will be able to: read and compose pneumatic and electrical circuits; draw up PLC-based logic control programs and put them into practice; maintain and operate installations with mechatronic systems; diagnose and troubleshoot mechatronic systems	Russian English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational institutions, young scientists	From 2 weeks	200
3	2.1.03	Festo Meclab Mechatronic Stations Working Principles	Professional courses	As a result of training, you will be able to: read and draw up pneumatic and electrical diagrams; create logic control programs based on Siemens LOGO and put them into practice; service, assemble, diagnose automated systems with pneumatic, electrical, sensor elements; diagnose and troubleshoot mechatronic systems	Russian, English (accompanied by an Interpreter)	Organization/ enterprise personnel, students of secondary specialized institutions / higher educational institutions, young scientists	From 2 weeks	150

4	2.1.04	Electromechanical Drives Fundamentals	Professional courses	As a result of training you will be able to: describe the functions and design features of modern electric drives; select, configure, parameterize and integrate the optimal electric drives for specific cases of their application; use safety standards and norms, adapt your production equipment.	Russian, English (accompanied by an Interpreter)	Youth and adults, organization/enterprise personnel, students of secondary specialized institutions / higher educational institutions, young scientists	From 1 week	150
5	2.1.05	Industrial Hydroautomatics	Professional courses	As a result of training, you will be able to: design, assemble and test basic hydraulic circuits; maintain, find and eliminate malfunctions in hydraulic systems; identify, describe the device, design features and operation of hydraulic elements; understand the technical characteristics of hydraulic elements and systems; identify the legend of hydraulic elements and read hydraulic diagrams; assess the degree of wear of hydraulic equipment, carry out appropriate diagnostics; it is safe to put the equipment into operation after repair	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational institutions, young scientists, organization/enterprise personnel	From 1 week	150
6	2.1.06	Industrial Pneumatic Automation	Professional courses	As a result of training, you will be able to: read pneumatic diagrams. know the basics of compressed air production; design, assemble and test basic pneumatic automation circuits; service and troubleshoot pneumatic elements and basic control circuits; identify and describe the designs, features and principle of operation of pneumatic elements; explain the technical requirements and characteristics of pneumatic elements.	Russian, English (accompanied by an Interpreter)	Teachers, vocational training instructors, organization/enterprise personnel, students of secondary specialized institutions / higher educational institutions, young scientists	From 1 week	150
7	2.1.07	Industrial Electrical Automation Systems	Professional courses	As a result of training, you will be able to: design, assemble and test basic circuits of electro-pneumatic control systems; navigate the trends in the development of electro-pneumatic systems.	Russian, English (accompanied by an Interpreter)	Teachers, vocational training instructors, organization/enterprise personnel, students of secondary specialized institutions / higher educational institutions, young scientists	From 1 week	150
8	2.1.08	Siemens Controllers Programming	Professional courses	As a result of training, you will be able to: carry out the configuration and commissioning of the PLC; Siemens family;	Russian, English (accompanied by an Interpreter)	Teachers, vocational training instructors, students of secondary specialized	From 1 week	150

				understand the principles of building and executing a program; use the main LAD programming languages; debug programs, find and fix faults.		institutions / higher educational institutions, young scientists		
9	2.1.09	LOGO Controllers Programming	Professional courses	As a result of training, you will be able to: program and automate production processes with the LOGO! controller and the LOGOSoftComfort software package.	Russian, English (accompanied by an Interpreter)	Organization/enterprise personnel, students of secondary specialized institutions / higher educational institutions, young scientists, teachers, vocational training instructors	From 1 week	100
10	2.1.10	Modern Production Management Systems MES, Work in MES4 Software	Professional courses	As a result of training, you will be able to: test the performance of components of automated systems and cyber-physical laboratories in manual and automatic mode; create orders, monitor equipment performance in real time, create work plans for manufacturing products in MES4 software; read and write information stored on RFID tags, install, calibrate digital information sensors.	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / Higher Educational Institutions, young scientists, organization/enterprise personnel	From 1 day	120
11	2.1.11	Fundamentals of Programming and Control of Mobile Robots Festo (agv robotino)	Professional courses	As a result of training, you will learn: the mechanism and operating principle of mobile robots festo (robotino); programming stages with mobile robots festo (robotino); be able to write control maps for a mobile robot using the Robotino Factory with the definition of a route, control points of movement.	Russian, English (accompanied by an Interpreter)	Organization/enterprise personnel	From 1 week	130
12	2.1.12	Modern Production Technologies "Industry 4.0"	Professional courses	As a result of training, you will be able to: determine the need for and the possibility of using digital production technologies in their activities; read and write information stored on RFID tags, install, calibrate digital information sensors.	Russian, English (accompanied by an Interpreter)	Youth and adults, organization/enterprise personnel, students of secondary specialized secondary institutions / higher educational institutions, young scientists	From 1 day	150
13	2.1.13	Fundamentals of a Digital Twin Creation, working in CIROS Software	Professional courses	As a result of training, you will learn: device, the operating principle of a robotic cell; robot programming commands in CIROS software; stages of creating a digital model in CIROS software; be able to create digital models (twins) in CIROS software.	Russian, English (accompanied by an Interpreter)	Youth and adults, organization /enterprise personnel, students of secondary specialized institutions / higher educational institutions, young scientists	From 1 week	200
14	2.1.14	Modern Production Technologies "Logistics 4.0"	Professional courses	As a result of training, you will be able to: program an automated warehouse; maintain an automated warehouse;	Russian, English (accompanied by an Interpreter)	Youth and adults, organization/enterprise personnel, students of	From 2 weeks	170

				program trajectories, points, displacement map for mobile robots.		secondary specialized institutions / higher educational institutions, young scientists		
15	2.1.15	Sinumerik CNC Systems Programming (Shop Turn)	Professional courses	As a result of training, you will be able to: develop NC programs for CNC machines in the integrated ShopTurn system.	Russian, English (accompanied by an Interpreter)	Youth and adults, organization/enterprise personnel, students of secondary specialized institutions / higher educational institutions, young scientists	From 1 week	160
16	2.1.16	Programming, Setting up and Control of a CNC Turning Machine (Sinumerik 840D)	Professional courses	As a result of training, you will be able to: read and compose control programs for turning and milling for the Sinumerik 840D CNC system; maintain and operate lathes with the Sinumerik 840D CNC system with the C or Y axis; diagnose and eliminate errors in the control program for turning and milling; collect cutting tools; install the cutting tool in the machine; bind the cutting tool by the contact indicator; bind the cutting tool using the groove method; set the zero point of the part; bind an axial cutting tool; create a control program in the memory of the machine; work out and correct the control program.	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational institutions, young scientists, teachers, vocational training instructors, organization/enterprise personnel	From 1 week	250
17	2.1.17	Programming, Setting – up and Control of a CNC Milling Machine (HAAS)	Professional courses	As a result of training, you will be able to: read and write control programs for turning for the HAAS CNC system; maintain and operate lathes with the HAAS CNC system; diagnose and eliminate errors in the control program for turning; collect cutting tools; install the cutting tool in the machine; to bind the cutting tool by the contact indicator; to bind the cutting tool using the groove method; set the zero point of the part; bind an axial cutting tool; create a control program in the memory of the machine; work out and correct the control program.	Russian, English (accompanied by an Interpreter)	students of secondary specialized institutions / higher educational institutions, young scientists, organization/enterprise personnel	From 2 weeks	

18	2.1.18	Programming, Setting-up and Control of a CNC Turning Machine (FANUC)	Professional courses	As a result of training, you will be able to: read and write control programs for turning for the FANUC CNC system; maintain and operate lathes with the FANUC CNC system; diagnose and eliminate errors in the control program for turning; collect cutting tools; install the cutting tool in the machine; to bind the cutting tool by the contact indicator; to bind the cutting tool using the groove method; set the zero point of the part; bind an axial cutting tool; create a control program in the memory of the machine work out and correct the control program.	Russian, English (accompanied by an Interpreter)	Youth and adults, organization /enterprise personnel, students of secondary specialized institutions / higher educational institutions, young scientists	From 1 week	250
19	2.1.19	Programming of Sinumerik (ShopMill) CNC Systems	Professional courses	As a result of training, you will be able to: develop control programs for CNC machines in the integrated ShopMill system.	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational institutions, young scientists, organization /enterprise personnel	From 2 weeks	160
20	2.1.20	Programming, Setting-up and Control of a CNC Turning Machine (Sinumerik 840D)	Professional courses	As a result of training, you will be able to: collect cutting tools; install the cutting tool in the machine; install and base fixtures in a CNC milling machine; to bind the cutting tool to the frame of reference of the machine; use of a 3D stylus for binding and an automatic measurement system departure of the tool; create a control program in the memory of the machine; work out and correct the control program; read and compose a control program for three-axis milling for the system CNC Sinumerik 840D; maintain and operate CNC milling machines Sinumerik 840D; diagnose and eliminate errors in the control program for milling	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational institutions, young scientists, organization /enterprise personnel	From 1 week	160
21	2.1.21	Programming, Setting-up and Control of a CNC Turning Machine	Professional courses	As a result of training, you will be able to: read and write NC programs for milling for the HAAS CNC system;	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational	From 2 weeks	230

		(HAAS)		maintain and operate milling machines with the HAAS CNC system; diagnose and eliminate errors in the control program for milling; collect cutting tools; install the cutting tool in the machine; installation and basing of devices in a CNC milling machine; to bind the tool to the machine reference system; create a control program in the memory of the machine work out and correct the control program.		institutions, young scientists, organization /enterprise personnel, vocational training instructors		
22	2.1.22	Development of a Control Program for CNC machines in Sprut Cam Systems	Professional courses	As a result of training you will be able to: develop control programs for CNC machines for 2-3 and 5-axis machining.	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational institutions, young scientists, teachers, vocational training instructors, organization /enterprise personnel	From 2 weeks	170
23	2.1.23	Development of a Control Program for CNC Machines in MasterCam System	Professional courses	As a result of training, you will be able to: draw up control programs using turning operations, grooving, threading, drilling holes, milling along the C and Y axes, radial drilling (turning and milling); compose control programs using the operations of contour milling, dynamic milling, thread milling, drilling, facing, pocketing, using operations in the 3D tab (milling); apply various processing technologies, select the necessary cutting tool and optimal cutting conditions; develop 3D models of parts and their processing.	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational institutions, young scientists, teachers, vocational training instructors, organization /enterprise personnel	From 1 week	170
24	2.2.01	CNC Operator	Retraining		Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions / higher educational institutions, young scientists, teachers, organization /enterprise personnel, vocational training instructors	From 1 week	500
25	2.2.02	CNC Machines Adjuster	Retraining		Russian, English (accompanied by an Interpreter)	Youth and adults, organization /enterprise personnel	From 1 month	500
26	2.2.03	Turner	Retraining		Russian, English	Youth and adults,	From 1	450

					(accompanied by an Interpreter)	organization /enterprise personnel	month	
27	2.2.04	Miller	Retraining		Russian, English (accompanied by an Interpreter)	Youth and adults, organization /enterprise personnel	From 1 month	450
28	2.2.05	Assembly Fitter	Retraining		Russian, English (accompanied by an Interpreter)	Youth and adults, organization /enterprise personnel	From 1 month	450
29	2.2.06	Maintenance Mechanic	Retraining		Russian, English (accompanied by an Interpreter)	Youth and adults, organization /enterprise personnel	From 1 month	450
30	2.2.07	Car Mechanic	Retraining		Russian, English (accompanied by an Interpreter)	Youth and adults, organization /enterprise personnel	From 1 month	450
31	2.3.01	CNC Operator	Advanced training		Russian, English (accompanied by an Interpreter)	Youth and adults, organization /enterprise personnel	From 1 month	250
32	2.3.02	CNC Machines Adjuster	Advanced training		Russian, English (accompanied by an Interpreter)	Organization /enterprise personnel, youth and adults, vocational training instructors	From 1 month	350
33	2.3.03	Turner	Advanced training		Russian, English (accompanied by an Interpreter)	Organization /enterprise personnel, youth and adults, teachers, vocational training instructors	From 1 month	200
34	2.3.04	Miller	Advanced training		Russian, English (accompanied by an Interpreter)	Organization /enterprise personnel, youth and adults, teachers, vocational training instructors	From 1 month	200
35	2.3.05	Assembly Fitter	Advanced training		Russian, English (accompanied by an Interpreter)	Organization /enterprise personnel, youth and adults, teachers, vocational training instructors	From 1 month	200
36	2.3.06	Locksmith	Advanced training		Russian, English (accompanied by an Interpreter)	Organization /enterprise personnel, youth and adults, teachers, vocational training instructors	From 1 month	200
37	2.3.07	Technician-mechanic	Advanced training		Russian	Organization /enterprise personnel, youth and adults teachers, vocational training instructors	From 1 month	200
38	2.3.08	Mechatronics Specialist	Advanced training		Russian	Organization /enterprise personnel, youth and adults teachers, vocational training instructors	From 1 month	300
39	6.5.01	Installation and	Secondary		Russian	Youth and adults	From 1	1650

		Maintenance of Electrical Equipment	specialized education				week	
40	6.5.02	Maintenance of Electronic Radio Equipment	Secondary specialized education		Russian	Youth and adults	From 1 year	1650
41	6.5.03	Metal Cutting Machines and Tools	Secondary specialized education		Russian	Youth and adults	From 1 year	1650
42	6.5.04	Industrial Construction and Civil Engineering	Secondary specialized education		Russian	Youth and adults	From 1 year	1650



List of Educational Programs: Information Technologies

Forms of Training: full-time/on-site / distance

№ пп	Set Number	Title of the Educational Program	Main Category	Description	Language of Training: 1	Target Audience: 1	Training Period	Cost (in USD)
1	1.2.01	Distance Learning Information Technologies	Retraining	<p>The program is designed for everyone who wants to have a competitive edge in the professional community in a digital educational and communication environment;</p> <p>who needs to improve their professional competence in the field of organizing e-learning using distance learning technologies;</p> <p>who is interested in realizing the possibilities of providing a barrier-free educational environment with ICT means for the successful integration of persons with developmental and other disabilities into the modern information society.</p> <p>Mastering the program will allow you to work in institutions of secondary vocational education and training, higher education, additional professional education for adults; effectively build a career; to be competitive in the labor market in the context of digitalization of education.</p>	Russian	Teachers, vocational training instructors, youth and adults, heads of the educational organizations	From 1 year	510
2	1.3.06	Electronic Means of Communication and Knowledge Assessment	Advanced training	<p>After the completion of the educational program, you will be qualified to:</p> <p>develop tests and test interactive tasks using the application packages "MyTest", "Airen", "Master-test.net";</p> <p>develop tests and test interactive tasks using online services Wordwall.net, Learningapps.org, Learnis.ru, Google Forms, etc.; using online "boards" Trello, MIRO, etc. to organize effective interaction of students in the educational process;</p> <p>to organize interaction in the context of distance learning and the sharing of electronic documents and training aids in a distance course; to use the Mentimeter for instant surveys and feedback in an</p>	Russian	Teachers, vocational training instructors	From 2 weeks	200

				educational setting.				
3	1.3.07	Information Visualization Technologies: Digital Tools and Services for Effective Learning	Advanced training	After the completion of the educational program, you will be competent in: creation of training tools and knowledge assessment using basic software and online services; using MS Office tools for effective presentation of information; using online services Prezi, bubbl.us, MindMeinster, Mindomo, Mindjet Mindmanager, Canva.com, etc.; to visualize information; creating tests and test interactive tasks using online services Wordwall.net, Learningapps.org, Learnis.ru, Google Forms, etc.; using online "boards" Trello, MIRO, etc. to organize effective interaction of students in the educational process; using the Mentimeter for instant surveys and feedback in an educational setting.	Russian	Teachers, vocational training instructors	From 2 weeks	200
4	1.3.10	The Use of Interactive, Multimedia and Cloud Technologies in the Educational Process	Advanced training	After the completion of the educational program, you will be able to: develop and implement scripts of lessons using Internet technologies; design and create online documents; develop and implement scripts for lessons using multimedia technologies; create teaching materials for lessons using an interactive whiteboard; communicate with colleagues and students through online technologies. The content of the program is structured in accordance with the modern possibilities of using active, multimedia and cloud technologies in the educational process. In the learning process, active methods of forming competencies are used, based on the interaction of students and their involvement in the educational process, one of the main methods used in the implementation of the educational program is the project method.	Russian	Organization/enterprise personnel, teachers, vocational training instructors	From 2 weeks	170



List of Educational Programs: Pedagogy and Psychology

Forms of Training: distance/online/on-site-distance
Language of Training: Russian
English accompanied by an Interpreter (on request)

No nn	Set Number	Title of the Program	Educational Program	Brief Description	Target Audience	Training Period	Cost USD
1.	1.1.01	Mediation: a Basic Course for Non-Professional Mediators	Professional courses	By the end of the course you will learn: the system, principles and advantages of alternative dispute resolution; the structure of communication, patterns and techniques of effective communication; concept, causes, structure and dynamics of the conflict; concept and types of negotiations; basic models, principles, stages and rules of mediation, structure of a mediation session; requirements for the form and content, legal significance and legal consequences of a mediation agreement; the basics of pedagogical conflict management, the peculiarities of the creation and functioning of organizational structures (Mediation Services); to diagnose a conflict, identify the advantages and disadvantages of mediation in relation to a specific dispute; to prepare for negotiations; to make contact and maintain effective communication; to organize and carry out the mediation procedure; to use digital technologies in organizing a mediation session; to conduct online mediation.	Teachers, vocational training instructors. Youth and adults. Heads of the educational organizations.	From 2 weeks	500
2.	1.1.02	Features of the Design of the Blended Learning Educational Media Environment	Professional courses	By the end of the course you will learn: to organize blended learning; the use of media in the educational process; development and design of content for blended learning; creating and using a teacher blog in blended learning; enhancing the cognitive activity of students using blogs and social networks.	Teachers, vocational training instructors. Heads of the educational organizations.	From 1 day	80

3.	1.1.03	Support of Orphans in Vocational Educational Institutions	Professional courses	By the end of the course you will learn: to apply basic scientific and theoretical knowledge, to solve theoretical and practical problems in order to support orphans; to develop and evaluate the effectiveness of the program for supporting orphans in a vocational educational institution for the academic year; to diagnose the personality traits of orphans; to develop creative thinking skills in orphans; to apply techniques of increasing the educational motivation of orphans, creating a situation of success in the classroom and extracurricular activities; the skills of using various forms and methods of work for social adaptation and successful integration of orphans within the community.	Heads of the educational organizations. Teachers, vocational training instructors. Pedagogical personnel providing support for orphans.	From 2 weeks	170
4.	1.2.01	Distance Learning Information Technologies	Retraining	By the end of the course you will learn: to organize e-learning using distance learning technologies; to realize the possibilities of providing a barrier-free educational environment with ICT means for the successful integration of persons with special developmental needs into the modern information society. Acquisition of the program will allow you to work in institutions of secondary vocational education and training, higher education, additional professional education for adults; effectively build a career; to be competitive in the labor market in the context of digitalization of education.	Teachers, vocational training instructors. Youth and adults. Heads of the educational organizations.	From 1 year	510
5.	1.3.01	Psychological and Pedagogical Support of the Educational Process in the Context of Inclusion	Advanced training	By the end of the course you will learn: to apply knowledge about inclusion in the educational process; to develop educational and program documentation and use it in the educational process, taking into account special nature of teaching people with special developmental needs; to apply teaching methods in accordance with the psychological characteristics of persons with special developmental needs; to create special conditions for obtaining vocational and secondary specialized education by persons with special developmental needs; to participate in psychological and pedagogical support of students with special developmental needs, to develop psychological programs for supporting persons with special developmental needs in vocational educational institutions; to carry out educational work in the implementation of inclusive education in vocational education institutions.	Heads of the educational organizations Teachers, vocational training instructors	From 2 weeks	110
6.	1.3.02	Improving the Content and Methods of	Advanced training	As a result of training you will learn: tasks and experience of advanced training; experience of the Republic of Belarus in organizing WorldSkills competitions; process of updating	Teachers, vocational training instructors.	From 1 week	110

		Vocational Training Based on WorldSkills International Standards		the content of vocational educational programs; system of independent assessment of qualifications in Belarus; principles of work of competence centers, acting as education providers in advanced training; the system of assessing WorldSkills competitions; principles of the creation of educational environment for the development of key competencies of personnel; stages of preparation of competitors for international competitions.	Heads of the educational organizations.		
7.	1.3.04	Soft Skills: Development of Students Supra-professional Competencies	Advanced training	Based on the learning results, you will be able to: design the educational process, taking into account the development of students supra-professional competencies; to use pedagogical technologies for the expansion of digital competence of students in classrooms; to apply modern teaching methods aimed at the creation of social, personal competence and the ability to learn; to use in the educational process methods of forming mathematical literacy and citizenship; to develop and apply means of assessing the level of formation of the supra-professional competencies of students.	Heads of the educational organizations Teachers, vocational training instructors.	From 1 week	170
8.	1.3.05	Innovative Technologies for Resolving Pedagogical Conflicts. Mediation.	Advanced training	While studying the educational program, you will learn: the system, principles and advantages of alternative dispute resolution; the structure of communication, patterns and techniques of effective communication; concept, causes, structure and dynamics of the conflict; concept and types of negotiations; basic models, principles, stages and rules of mediation, structure of a mediation session; requirements for the form and content, legal significance and legal consequences of a mediation agreement; know the basics of pedagogical conflict management, the peculiarities of the creation and functioning of organizational structures (Mediation Services). You will also be able to: diagnose a conflict, identify the advantages and disadvantages of mediation in relation to a specific dispute; get prepared for negotiations; make contacts and maintain effective communication; organize and carry out the mediation procedure; use digital technologies in organizing a mediation session; conduct online mediation.	Teachers, vocational training instructors. Youth and adults. Heads of the educational organizations.	From 1 week	170
9.	1.3.09	Innovative Technologies in Education	Advanced training	After the educational program completion, you will be able to: design training sessions / industrial training based on Bloom's taxonomy; make a reasonable choice of effective methods and means of teaching in accordance with the goals of learning, individual typological characteristics of students;	Heads of the educational organizations. Teachers, vocational	From 1 week	170

				integrate innovative pedagogical technologies into the educational process (TRIZ technologies, STEAM technologies, blended learning technologies, inverted classroom, VR / AR technologies, case technologies, educational quests, and others); create an effective digital educational environment in the implementation of the educational program; apply interactive educational technologies to develop supra-professional competencies of students. Practical training in the Centers of Excellence (in the field of energy efficiency, construction, car service, mechanical engineering, mechatronics / optional) is aimed at digitization of the industry technologies in accordance with the chosen focus area.	training instructors.		
10.	1.3.11	Organizational and Informative Support of Students Professional Self-determination	Advanced training	After the educational program completion, you will be able to: develop programs of pedagogical support for professional self-determination, personal and professional development of students; carry out professional diagnostics of students (standardized, projective methods, situational analysis, professional tests, etc.), including the appliance of digital software solutions; adapt testing / questioning programs for different age categories of students and adults; develop adaptation programs for freshmen (professional and pedagogical, socio-psychological adaptation); to promote the educational institution within the Internet; to provide professional advice to students on their self-determination in the profession; apply technologies of individual and team coaching of students and adults.	Heads of the educational organizations. Teachers, vocational training instructors.	From 1 week	170
11.	1.3.12	The Main Approaches to the Prevention and Correction of Suicidal Behavior of the Youth	Advanced training	After the educational program completion, you will be able to: classify suicidal behavior and its motives; diagnose suicidal and self-destructive behavior and assess suicidal risks, identify persons at risk; establish reasons for deviating personality behavior, the reasons for the crisis in which the child (adolescent) finds himself, the reasons for the social disadvantage of the family, to study the personal characteristics and social conditions of children life, the family and the social environment, to identify positive and negative influences on the child (adolescent), and also various kinds of problems in personality development and interpersonal relationships); communicate with students at risk of suicidal behavior; organize assistance in identifying the risk of suicide; carry out preventive and psychological	Heads of the educational organizations. Teachers, vocational training instructors.	From 1 week	170

				intervention work with suicides during a period of psychological crisis; apply methods that reduce the level of aggressiveness, negative emotional, traumatic experiences; to work with the family of the suicide.			
12.	1.3.13	Fundamentals of Pedagogical Design in Vocational Training	Advanced training	After the educational program completion, you will be able to: distinguish between optimization and innovative educational systems; to design research and educational products in the logic of level goal-setting; distinguish between information and instrumental resources of the educational environment; design educational activities based on cognitive technologies and the method of intelligence - maps; design a real and eventual educational product; carry out the design (instructional design) of training courses, taking into account the pedagogical and psychological conditions.	Heads of the educational organizations. Teachers, vocational training instructors.	From 1 week	170
13.	1.3.06	Electronic Means of Communication and Knowledge Assessment	Advanced training	After the educational program completion, you will be competent in: developing tests and test interactive tasks using the application packages "MyTest", "Airen", "Master-test.net"; development of tests and test interactive tasks using online services Wordwall.net, Learningapps.org, Learnis.ru, Google Forms, etc .; using online "boards" Trello, MIRO, etc. to organize effective interaction of students in the educational process; organization of interaction in the context of distance learning and the sharing of electronic documents and training aids in a distance course; using the Mentimeter tool for instant surveys and feedback in the context of the educational process.	Teachers, vocational training instructors.	From 2 weeks	200
14.	1.3.07	Information Visualization Technologies: Digital Tools and Services for Effective Learning	Advanced training	After the educational program completion, you will be competent in: creating teaching tools and assessing knowledge using basic software and online services; using MS Office tools for effective presentation of information; using online services Prezi, bubbl.us, MindMeinster, Mindomo, Mindjet Mindmanager, Canva.com, etc. to visualize information; creating tests and test interactive tasks using online services Wordwall.net, Learningapps.org, Learnis.ru, Google Forms, etc .; using online "boards" Trello, MIRO, etc. to organize effective interaction of students in the educational process; using the Mentimeter for instant surveys and feedback in an educational setting.	Teachers, vocational training instructors.	From 2 weeks	200
15.	1.3.10	The Appliance of Interactive, Multimedia and	Advanced training	After the educational program completion, you will be able to: develop and implement scripts for lessons using Internet technologies; design and create online documents;	Organization/ enterprise personnel.	From 2 weeks	170

		Cloud Technologies in the Educational Process		develop and implement scripts for lessons using multimedia technologies; create teaching materials for lessons using an interactive whiteboard; communicate with colleagues and students via online technologies. The content of the program is structured in accordance with the modern possibilities of using active, multimedia and cloud technologies in the educational process. In the learning process, there are different methods of forming competencies, based on the interaction of students and their involvement in the educational process, one of the main methods used in the implementation of the educational program is the project method.	Teachers, vocational training instructors.		
16.	1.4.01	International mediation. A New Look	Apprenticeship	Participation in the internship will allow you to: apply innovative technologies in the field of mediation, digital solutions used by mediators; get acquainted with successful practices and complex cases from the best mediators in the world; apply the techniques of creating emotional intelligence in a mediator (prevention of burnout, professional deformations of mediators); master technologies, including digital/ promotion of media services.	Youth and adults. Organization / enterprise personnel.	From 1 week	30
17.	1.6.01	Theory and Methodology of Vocational Education	Postgraduate Program	Persons with higher education and teaching experience of at least 2 years can study in graduate school. After the completion of the training, you will be graduated as a researcher in the pedagogical sciences area.	Heads of educational organizations. Teachers, vocational training instructors.	From 1 year	5300
18.	1.6.02	Pedagogical Psychology	Postgraduate Program	Persons with higher education and teaching experience of at least 2 years can study in graduate school. After the completion of the training, you will be graduated as a researcher in the pedagogical sciences area.	Heads of educational organizations. Teachers, vocational training instructors.	From 1 year	5300



List of Educational Programs: Renewable sources of energy. Ecology

Form of Training: full-time

№ пп	Set number	Title of the Educational Program	Main Category	Description	Language of Training: 1	Target Audience: 1	Training Period	Cost (in USD)
1	5.1.01	Operating Principle and Maintenance of Photovoltaic Panels	Professional courses	During the training, you will learn: the operating principle and functioning mode of photovoltaic panels; classification of photovoltaic panels; correct installation and connection of panels; safety requirements while working with photovoltaic panels. As a result of training, you will be able to: choose the installation option and put the photovoltaic panel into operation.	Russian, English (accompanied by an Interpreter)	Youth and adults	From 1 week	120
2	5.1.02	Construction and Maintenance of Small Wind Power Plants	Professional courses	As a result of training, you will learn: the operating principle and functioning mode of wind turbines, the physical fundamentals of the operation of wind turbines. As a result of training, you will be able to: conduct experiments to determine the main characteristics and methods of controlling the power of wind turbines, carry out installation and start-up of an asynchronous generator of double power supply, adjustment of the generator's operation at variable wind strength and regulation of the output voltage and frequency.	Russian, English (accompanied by an Interpreter)	Youth and adults, students of secondary specialized institutions/higher educational institutions, young scientists	From 1 week	120
3	5.1.03	Efficiency of Using Heat Pumps in Civil Engineering	Professional courses	As a result of training, you will learn the operating principle and functioning mode of heat pumps; classification of heat pumps depending on the heat source; options for connection schemes for heat pumps; the main parameters for determining the efficiency of the heat pump;	Russian, English (accompanied by an Interpreter)	Youth and adults, students of secondary specialized institutions/higher educational institutions, young scientists, organization/enterprise personnel, vocational	From 1 week	180

				safety requirements while working with heat pumps.		training instructors		
4	5.1.04	Solar Collector Operation in Everyday Life	Professional courses	As a result of training, you will know: the operating principle and functioning mode of solar collector; classification of gelcolletors; configuring the controller; safety requirements when working with heat pumps. You will be able to put into operation a solar collector and tune the controller to the specified operating modes.	Russian, English (accompanied by an Interpreter)	Students of secondary specialized institutions/ higher educational institutions, young scientists, organization/enterprise personnel, teachers, vocational training instructors	From 1 day	120



List of Educational Programs: Transport/ Logistics/ Car Service

Forms of Training: full-time

№ nn	Set Number	Title of the Educational Program	Main Category	Description	Language of Training: 1	Target Audience: 1	Training period	Cost (in USD)
1	3.1.01	Auto Electronics and Diagnostics	Professional courses	After completing auto electrician diagnostic courses, you will get knowledge: about car electronic systems mechanism; software for car diagnostics; about equipment for diagnostics. You will be able to: diagnose the electronic systems of the car and troubleshoot; diagnose and maintain gasoline and diesel engines; diagnose lighting and light signaling systems and repair them; diagnose and repair passive safety systems, ABS, security systems.	Russian, English (accompanied by an Interpreter)	Organization /enterprise personnel, youth and adults, teachers, vocational training instructors	From 1 month	310
2	3.1.02	Diagnostics of Electrical Equipment, Overhaul of the WP7-WP12 Engine	Professional courses	During the training, you will get skills and abilities to disassemble and assemble systems and mechanisms of WP7WP12 engines, complex and element-by-element diagnostics, calibration of parameters of WP7, WP12 engines.	Russian, English	Organization /enterprise personnel, youth and adults, teachers, vocational training instructors	From 1 month	130
3	3.1.03	Electric Vehicles: Operating Principles, Maintenance, the Basics of Diagnostics and Repair	Professional courses	As a result of the training, you will learn specific performance features of electric vehicles.	Russian	Organization /enterprise personnel	From 1 day	200
4	3.1.04	Gasoline Engines System Electronic Control	Professional courses	As a result of the training, you will learn: the mechanism of the power supply systems M-, ME-, MED-Motronic, their	Russian, English	Organization /enterprise personnel, teachers, vocational training	From 1 week	95

		Diagnostics		principle of operation; methods of diagnostics of sensors and actuators.		instructors		
5	3.1.05	Diesel Engines Electronic Control Systems Diagnostics	Professional courses	As a result of training you will learn: the structure and operation of the Common Rail power supply system; diagnostics methods for system sensors, actuators, high pressure fuel pumps and injectors.	Russian	Organization /enterprise personnel, teachers, vocational training instructors	From 1 day	95
6	3.1.06	Air Conditioning and Climate Control Systems: Design and Operation	Professional courses	As a result of training, you will learn: purpose, structure and operation of air conditioning systems for cars; diagnostic and maintenance techniques.	Russian	Organization /enterprise personnel, teachers, vocational training instructors	From 1 day	70
7	7.8.01	Automobile Courses	Driving courses	Training of drivers of category "B", retraining from category "B" to category "C"	Russian	Youth, adults	From 1 year	235