



LEPL Shota Meskhia State Teaching University of Zugdidi

Approved under the resolution

#---- of academic council

of Shota Meskhia State Teaching University of Zugdidi

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Vocational educational programme

Welding

041274

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2019

1. **Name of the vocational educational programme (hereinafter vocational programme) in Georgian and English languages** –შედულება/ Welding
2. **Registration number in the framework:** 07310-3
3. **Qualifications to be awarded in Georgian and English languages:** საბაზო პროფესიული კვალიფიკაცია შედულებაში/ Basic Vocational Qualification in Welding

This qualification belongs to the detailed field of International Standard Classification of Education ISCED – Mechanics and metal trade - Code 0715.

Descriptor – “students will learn how to plan, project, develop, manufacture and monitor machines, mechanical enterprises and systems as well as metal products. It includes projecting and functioning of the machines which are for production and services. This detailed field is focused on machines, mechanical systems and metal products.

4. **Aim of the programme**

Educational programme aims to develop and introduce the programme which provides to prepare competitive staff for local as well as international market.

5. **Prerequisites:**

- Basic vocational qualification – Basic education;
- „Medical document Form #IV – 100/ს“, Health notice

6. **Fields of employment and possibilities:**

Person with the basic vocational qualification in welding can be employed as welder and gas cutter who can weld and cut metal using the gas lighter, electric arc and other heating devices in relevant organizations and field.

- Code of the National Classification of Economic Activities - 25
- ISCO code: 7212

7. **Structure and modules:**

Educational program “Welding” includes 2 general modules (6 credits), 9 vocational modules (32 credits), 1 optional module (7 credits). Students should gather totally 45 credits to obtain basic vocational qualification in Welding.

Module “Georgian Language A2” is mandatory only for those students who have right to learn on vocational education programmes under the order #152/N of the Minister of Education and Science of Georgia (September 27, 2013). They start learning with the module of Georgian language. Correspondingly, total number of credits is 60.

Welding		
General modules		
N	Module	Credits
1	Entrepreneurship 1	2
2	Foreign (English) language	4
	Total	6
Common vocational/ field modules		
N	Module	Credits
3	Health protection and working safety on working place	4
4	Welding materials and their features	4
5	Field communication	4
6	Thermal processing of metal	4
7	Using and documenting the technical characteristic of welding materials	4
8	Preparation of welding process materials	4
9	Metal welding in the inert(MIG) and active (MAG) gas conditions	4
10	Welding in inert (TIG)gas through Wolframe (TIG) electrode	2
11	Dry welding	2
	Total	32
12	Preparation of wooden doors, windows and stairs	7
	Total	45

8. Programme duration:

- For Georgian-speaking vocational students – 45 credits (30 weeks – 7,5 months)
- For non-Georgian-speaking vocational students – 60 credits (42 weeks – 10,5 months)

9. Learning outcomes:

After completion the programme, students will be able to

1. To weld metal parts through the gas lighter, electric arc, thermal mixtures or other methods;
2. To use welding machine to fix pipes, surfaces etc containing lead;
3. To connect metal parts using hard components;
4. To cut the metal using gas lighter or electric arc;
5. To connect metal parts using hand welding machine and soft component.

10. Development of vocational educational programme

Vocational education program Wleding is implemented on the base of Shota Meskhia State Teaching University and includes general, vocational/ field and optional modules.

11. Confirmation of learning outcomes and credit granting

Credits are awarded on the basis of confirmation of achievement of learning outcomes.

Achievement of learning outcomes can be confirmed

- A) through the recognition of learning outcomes within the frameworks of formal education (pass-examination)
- B) through the recognition of learning outcomes in informal education under the Georgian Law
- C) through the evaluation

There are two kinds of assessments: formative and summative. Formative assessment can be made using the principles of the grades as well as the pass-examinations. Summative assessment uses only the system which is based on the principles of pass-examination (competence-based) and has two kinds of assessments:

- A) Learning outcome is confirmed;
- B) Learning outcome is not confirmed.

When student gets negative evaluation in summative assessment vocational student has a right to require additional evaluation before the completion of the programme. Evaluation method/ methods are given in modules as recommendations.

Vocational programme considers the development of 8 key competences in the components of modules, learning outcomes and thematic (communication in native language; communication in foreign language; mathematical competence; digital competence; skill for independent learning; interpersonal, intercultural, social and civil competences; entrepreneurship and cultural expressiveness). These are important for the future professionals and competitive staff. One of the eight key competences is the competence which aims to develop main language for teaching of the native/ vocational educational program. Vocational education teacher evaluates the skill of verbal and written communication, particularly, following the rules of orthography and correct speech.

Correct speech

- Time limit during the speech /presentation;
- Using relevant professional vocabulary;
- Expressing opinion clearly and coherently;
- Stating adequate examples and arguments;
- Adequate use of nonverbal means which are typical for the verbal discussion (e.g. gesticulation, intervals during the speech, changes in voice timbres)

Orthography

- Correct use of linking words;
- Correct punctuation (full stop, question mark and exclamation mark);
- Prevention of typical stylistic mistakes;

- Not to use barbarisms and slangs;
- Give information coherently and clearly

12. Awarding the qualification

Vocational student should gather the credits through the modules in vocational educational programs in order to get the vocational qualification

13. For the students with special educational needs and disabled students

People with special educational needs and disabled people will be allowed to the programme without prerequisite/ prerequisites.

Credits are awarded only in case of confirmation relevant learning outcomes. Qualification is awarded under the 12th article.

14. Law basis:

Framework “Welding” confirmed under the order #656 (October 13, 2017) of National Center for Educational Quality Enhancement. Changes were made under the order #458 (5.06.2018); #80/o (31.01.2019);

15. Annexes (#1; #2; #3; #4;)

Annex 1 – Learning plan

Annex 2 – Human resources implementing the programme

Annex 3 – Learning environment and list of material resources

Annex 4 – Modules

- ✓ Annex 4.1. – Entrepreneurship 1
- ✓ Annex 4.2. – Foreign (English) language

- ✓ Annex 4.3. – Health protection and working safety on working place
- ✓ Annex 4.4. – Welding materials and their features
- ✓ Annex 4.5. – Field communication
- ✓ Annex 4.6. – Thermal processing of metal
- ✓ Annex 4.7. – Using and documenting the technical characteristic of welding materials
- ✓ Annex 4.8. – Preparation of welding process materials
- ✓ Annex 4.9. - Metal welding in the inert(MIG) and active (MAG) gas conditions
- ✓ Annex 4.10. - Welding in inert (TIG)gas through Wolframe (TIG) electrode
- ✓ Annex 4.11. – Dry welding
- ✓ Annex 4.12. - Preparation of wooden doors, windows and stairs
- ✓ Annex 4.13. – Georgian language A2

Annex #5 –Memorandums / agreements of cooperation with educational institutions and practice objects