

Construction Science

The study programme “Construction Science” conforms to level 1 higher education standard 120 credits (Regulations of the CM No. 141. “Regulations on the state standard for the state first level professional higher education” (2001.20.03) and was accredited for the first time in 2002 for the maximum time – six years.

In 2008 the study programme was reaccredited for six years till December 31, 2014 (accreditation sheet No. 039-1470).

The duration of studies amount in this study programme is 3 years for full-time studies, the amount – 120 credits, 180 ECTS.

Qualification – “Construction Site Supervisor”

Required skills for realization the basic tasks of professional action

1. Planning, organizing and managing the construction works.
2. Knowledge and usage of the construction standards.
3. Reading and understanding of the documentation of the project.
4. Knowledge in the technological processes of the construction.
5. Knowledge in the main qualities of the construction materials, current choice and systems of the construction materials.
6. Understanding the constructive solutions of the constructions.
7. Understanding the solutions of utilities and special constructions and main principles of the construction.
8. Understanding the main principles of the geodesic and metrological works.
9. Ability to choose the construction machines, devices and systems of technical equipment depending on realization of every specific work.
10. Orientation in the wages systems, work processing and ability to use it.
11. Ability to calculate the costs of construction works evaluate the economic factors and choose the profitable variant.
12. Ability to solve problematic situations.
13. Usage of quality control systems and basic principles of standardization.
14. Ability to choose specialists for the construction works according to the job content and to make the legal relationships according to the requirements of laws and regulations.

15. Ability to make optimal infrastructure of construction site according to the requirements of laws and regulations of labor safety, occupational hygiene, fire safety and environmental protection on the construction level.
16. Ability to work with special computing programs needed for projecting of construction works' organization.
17. Projects' managing and realizing.
18. Information technologies skills.
19. Ability to analyze the information.
20. Ability to analyze work results.
21. Official language skills.
22. Two foreign language skills in communication level.
23. Ability to use the field's terminology in official language and at least two foreign languages.
24. Self-education.

The profession standard "Construction Site Supervisor" No. 1323 05

Study programme duration: 3 years, 12 blocks.

Study programme volume: 120 credits, (180 ECTS)

Credit contents: 1 credit = 40 student work hours per week.

Study plan division: 1 block – 10 weeks

Study Programme Principal Contents and Structure:

Study Courses 79 credits (65.8 %).

General education study courses 21 credits

Humanitarian sciences

Social sciences

Natural science, technical sciences, information technologies

Industry study courses 58 credits

Mandatory study courses

Optional study courses

Practice 29 credits (24.2 %)

Diploma paper 12 credits (10 %)