

Private Institution Center for Adult Education
HARTMANN & MAYER BRCKO DISTRICT BOSNIA AND
HERZEGOVINA



CURRICULUM FOR EDUCATION OF STUDENTS FOR THE TITLE OF
ELECTRICIAN - MASTER FOR ELECTRIC POWER PLANTS(V
DEGREE)

Brief description of the profession:

The electrician - master for electric power plants is a very complex and responsible profile of the profession. In order for a person to be able to perform the tasks and duties of this responsible profession, it is necessary to acquire a high level of knowledge, abilities and skills through the process of professional development.

The basic tasks that occur in the work process are:

- To acquire knowledge about the importance of work organization and rational use of energy.
- Recognize the importance of working safely, and apply safety at work, rules in preserving health and the human environment.
- Improve the basic properties and application of power plants.
- Be able to choose the material according to the requirements of the technical drawing.
- Know how to use computers in the profession independently.
- Be able to read and apply technical instructions in the form of drawings, diagrams and symbolic representations.
- Develop awareness of the importance of regular maintenance of power plants and the expediency of having technical data and maintenance procedures prescribed by the manufacturer.
- Improve individual assemblies of power plants as a system unit.
- Understand the principles of operation of assemblies (systems) of power plants.
- Improve different designs of assemblies (systems) of power plants and notice their features.
- Be able to use test and measuring devices to control the correctness of assemblies and systems in power plants.
- Improve tools, working principle and procedures for disassembly and assembly of parts and assemblies of power plants.
- Improve the ability to diagnose faults in power plants.
- Know and be able to dismantle, install and check the correctness of assemblies and systems of power plants.
- Be able to select and apply tools and procedures for determining deficiencies and their elimination in the repair of power plants.

Prerequisite for the enrollment:

Candidates for the profession of electrical power plants master must have a diploma in the acquired profession of skilled workers and at least two years of practice in the profession.

CURRICULUM – ELEKTROENERGETIČAR-MASTER FOR ELECTRIC POWER PLANTS (V DEGREE)

No.	Course title	I semester total classes	I semester 20 weeks	II semester total classes	II semester 10 weeks	Total	Instructive 40%
1	Bosnian language and literature Serbian language and literature Croatian language and literature	2	40	-	-	40	16
2	Management	2	40	-	-	40	16
3	Informatics	2	40	-	-	40	16
4	Fundamentals of electrical engineering	2	40	-	-	40	16
5	Electrical measurements	2	40	-	-	40	16
6	Electronics	-	-	2	20	20	8
7	Power plants	3	60	4	40	100	40
8	Control and relay protection	-	-	2	20	20	8
9	Practical classes	5	100	16	160	260	104
TOTAL :		18	360	24	240	600	240

