

Private Institution Center for Adult Education

HARTMANN & MAYER BRCKO DISTRICT BOSNIA AND HERZEGOVINA



**CURRICULUM FOR EDUCATION OF STUDENTS FOR THE TITLE OF
MASTER TINSMITH (V DEGREE)**

Brief description of the profession of tinsmith:

Tinsmith - master makes parts of metal structures, process sheets, metal profiles and pipes and perform various assembly works on buildings. Tinsmiths who are employed by craftsmen or have their own craft, make small series metal objects or parts of assemblies.

Prerequisite for enrollment:

Candidates for the profession of tinsmith should have a diploma of the acquired profession of skilled workers and at least two years of practice in the profession.

CURRICULUM FOR THE PROFESSIONAL TITLE MASTER TINSMITH

No.	Course title	I semester total classes	I semester 20 weeks	II semester total classes	II semester 10 weeks	Total
A) Common educational basis						
1	Bosnian language and literature Serbian language and literature Croatian language and literature	2	40	-	-	40
2	Management	2	40	-	-	40
3	Mathematics	2	40	2	20	60
B) Common basics of profession						
4	Technical mechanics	2	40	-	-	40
5	Mechanical constructions	2	40	2	20	60
6	Measurement and control	2	40	-	-	40
7	Safety at work	-	-	3	30	30
8	Automation	2	40	-	-	40
9	Mechanical technology	2	40	2	20	60
10	Production organization	2	40	-	-	40
C) Vocational education						
11	Occupational technology	3	60	3	30	90
12	Practical classes	7	140	7	70	210
TOTAL :		28	560	19	190	750

Aim and task of the educational program:

- Acquisition of knowledge, skills and habits that will enable the performance of jobs in the profession: tinsmith
- Acquire knowledge about the importance of work organization and rational use of energy.
- Introduce and instruct students on occupational safety, health and healthy human environment.
- Get acquainted with the basic properties, obtaining and application of the most important technical materials.
- Enable students to choose the material according to the requirements of the technical drawing.
- Know and understand to read and apply technical drawing in the maintenance of parts, assemblies or products.
- Be able to make simple technical drawings.
- Get acquainted with the main parts of measuring tools, principles and rules of operation.
- Be able to apply measurements in practice.
- Get acquainted with the most important procedures of manual and machine processing by separating particles.
- Adopt the concepts of plastic processing.
- Get acquainted with the tools, working principle and procedures of individual plastic treatments.
- Be able to choose and apply tools and procedures of individual plastic treatments in the creation of a particular task.
- Adopt knowledge of merger procedures.
- Be able to choose and apply tools and procedures in the connection and assembly of a particular task.
- Adopt the concepts of casting application and metallurgy of casting.
- Get acquainted with casting procedures.
- Adopt the concepts of heat treatment.
- Familiarize with heating stoves and coolants.
- Be able to choose and apply the most important heat treatment procedures.
- Adopt basic concepts of corrosion.
- Get acquainted with the behavior of materials towards corrosion.
- Be able to choose and apply the most important surface protection procedures.
- Get acquainted with the elements of power transmission and motion.
- Know and be able to make metal lock parts
- Know and be able to install parts, assemblies and systems in the profession for which they are studying.
- Be able to develop the technological process of making a metal fence and be able to make simple metal fences.
- Know how to develop the technological process of making metal structures and be able to make simple metal structures.
- Be able to develop the technological process of making metal doors and know how to make simple metal doors.
- Be able to develop the technological process of making a metal window and know how to make simple metal windows.
- Be able to develop the technological process of making metal stairs and know how to make simple metal stairs.
- Know how to develop the technological process of making a metal tank and know how to make simple metal tanks.
- Know how to choose elements and assemble simple pneumatic systems.
- Know how to choose elements and assemble simple hydraulic systems.
- Know and be able to use professional literature.
- Train for lifelong learning.