

Branch: Core maker copper and bronze option



Code: CORMAK

Option: Core Maker

Level : CAP

Prerequisites : First cycle study certificate

Opportunities:

The core maker is employed in the industrial or sanitary fittings industries, in shipbuilding, in the automotive industry, but also in the furniture, decoration and toy industries.

Description

The coremaker is a skilled worker in the foundry. Foundry work involves melting metal and then pouring it into a mould to give it a given shape. He makes a single-use mould, usually out of sand, and then pours the molten metal into it. After cooling, the coremaker destroys the mould to extract the part. He then checks the size and quality of the part.

The student learns to decode work documents, to interpret a technical drawing and to make one himself. They study core-making and moulding techniques and the various manufacturing processes. He must know the different alloys (material made of metal and another material, metallic or not), the different sands and their reactions. To understand how the machines used work, he

studies the basics of mechanics (hydraulics, pneumatics, electricity, notions of automation). Physical science, chemistry and geometry courses are important in this training as well as learning the rules of hygiene, safety and ergonomics (making the right movements to avoid damaging the back by carrying heavy objects, for example).

Quality and competences :

To follow this training, it is better not to have back problems, to like technology and science, to have precise and meticulous gestures and to be able to represent shapes and volumes.