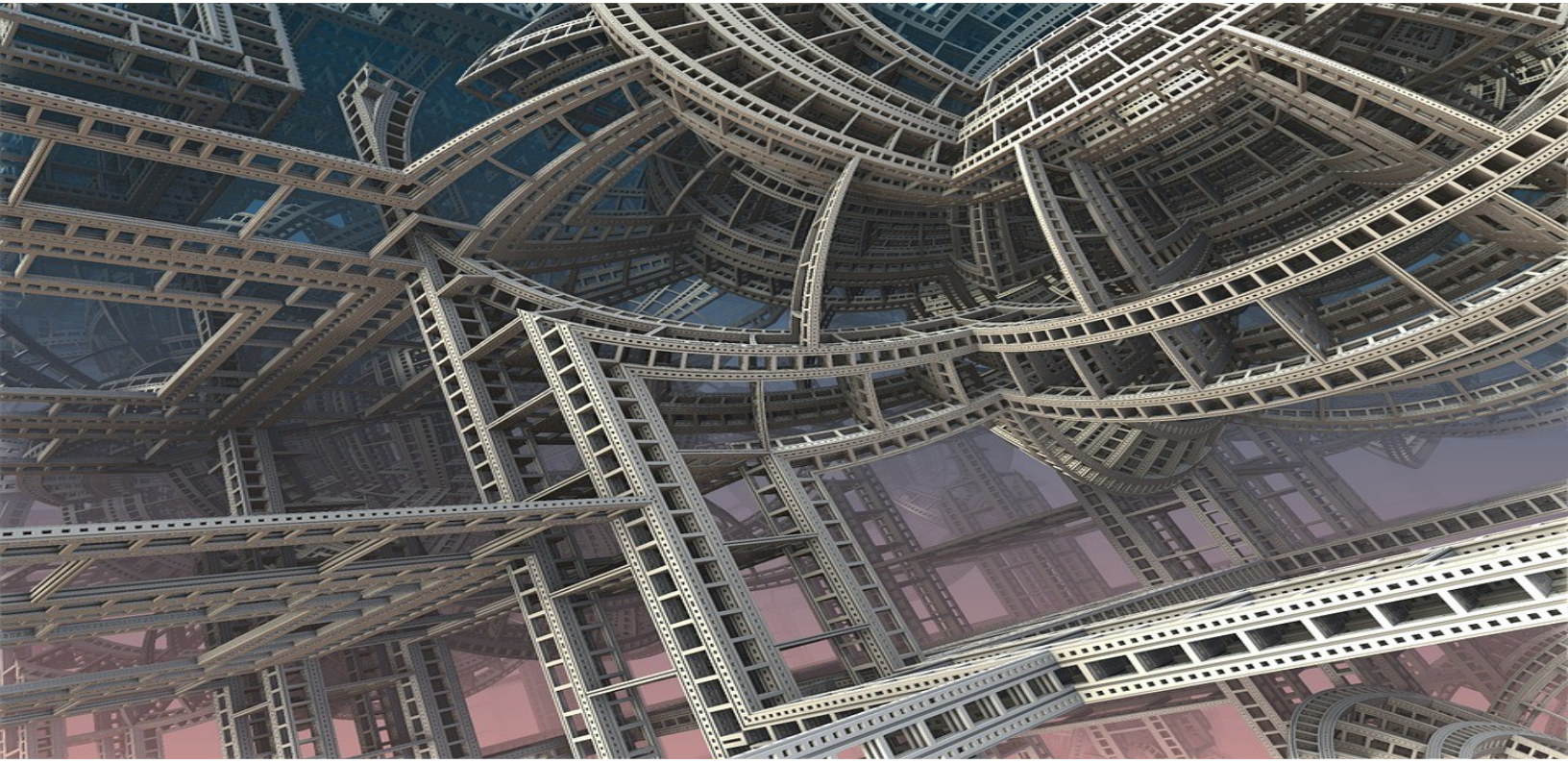


Sector: **MECHANICAL AND PRODUCTIC ENGINEERING**



Acronym : CORECI

Option : Design and production in industrial boilermaking

Level : BTS

Prerequisites : Scientific series or equivalent level

Opportunities:

The holder of the higher technician certificate "Design and production in industrial boiler making" finds openings in very diversified companies (craft companies, SMIs, SMEs, large industrial companies). Their main markets are:

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- aeronautical and space constructions;
 - railway constructions;
 - shipbuilding;
 - food industry ;
 - the chemical, petrochemical and pharmaceutical industry;
 - the paper industry;
 - the nuclear and power generation industry;
 - building and public works;
 - the environment and sustainable development sector.

Description

The holder of the higher technician certificate "Design and production in industrial boilermaking" is a specialist in works, equipment and processes in the fields of boilermaking, sheet metal, industrial piping and metal structures. He (she) intervenes at all levels from design to obtaining (design - organization of manufacture - realization, assembly and control) of boiler and piping assemblies (sheet metal works, sheet metal works, industrial piping, metallic structures ...).

Skills:

Within his company, the activities of the holder of the technician's certificate

higher "Design and production in industrial boilermaking" consist of:

- participation in a response to a call for tenders;
- the design and sizing of sheet metal assemblies;
- the design of the production processes for sheet metal assemblies;
- to the organization and monitoring of construction, prefabrication, installation and maintenance.

In a transversal way, the holder of the higher technician certificate "Design and production in industrial boiler making" has all the skills to adapt to the requirements of the factory of the

future. He (she) uses digital technology for communication, equipment or structure design (CAD, libraries of standard elements, behavior simulation and calculations), integration in the case of collaborative engineering (PDM), development of manufacturing processes (CAM, process simulation, assistance in determining element developments and throughputs, integration of business databases) and use of specialized software in project management.

He (she) is also a player in quality assurance: he (she) makes each step of the production and control process more reliable until delivery.

He (she) leads specific actions (reviews, controls, corrective actions ...) and participates in the drafting and implementation of procedures.

He (she) understands a request written in English and can dialogue in this language to solve a technical problem with a foreign interlocutor. He (she) is able to write and distribute notes in French, internally and externally, while respecting company standards.

He (she) remains vigilant by leading a technological, regulatory and normative watch. He (she) integrates these evolutions in the new achievements. Finally, he (she) knows how to maintain a beneficial partnership relationship for his company's customers by offering them a high quality of service, by meeting their expectations and even by anticipating them .