



City & Guilds

Byworth  
BOILERS

ASSURED

Built from our extensive knowledge of training apprentices, boiler makers, and delivering traditional boiler operation courses, our City and Guilds assured Steam Boiler Operator course puts practical skills at the forefront, leveraging our modern facilities to back theory with assessed practical skills.

This course is designed to give candidates a thorough understanding of the boiler house and industrial boiler operation, giving operators the knowledge required to confidently operate their own equipment safely and efficiently.

Incorporating both practical and classroom-based learning, this logical and holistic approach to boiler training ensures candidates are given the opportunity to engage with the trainer, the equipment, and the learning process.

The 12 teaching modules are logically arranged to cover the boiler system from cold water supply, through control, and ending with the basics of boiler management. At the end of each section of learning there will be a short online test or practical assessment. Assessing the course in this way reduces the stress and anxiety that can be caused by an end point assessment and allows candidates to focus on the key learning points from each module.

The practical elements of the course will be assessed by industry professionals with many years of experience working within the boiler house environment.

## Safe Operation & Management of Industrial Steam Boilers

### Course Key Learning Points:

- Understand legal responsibilities relating to steam systems
- The ability to interpret, test & manage water treatment
- Read & interpret combustion results, recognising good combustion
- Diagnose & fix common water level issues
- Calibration, testing & setting of blowdown systems
- Carry out Daily & Weekly testing
- Recognise & deal with emergencies, safely re-start the system
- Recognise & understand the basic components of a steam system
- Manage the steam system to return optimum efficiency
- Where to start with risk assessment
- Future technologies (metering & control)

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#jointheinnovator

Risk  
Workshop

Operations &  
Management

Portfolio

Fundamental

Steam  
Introduction



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