

**Course Content**

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**Title:** Combustion Technology / Fired Equipment**Potential PDH:** 40**Code:** BTT061**Description:**

Upon completion of this course, participants will be able to:

- Understand combustion basics
- Understand hardware and instrumentation of fired equipment
- Make rough calculations for trouble shooting of field problems
- Optimize/balance proper operation and thermal efficiency of fired equipment

**Outline:**

1. Introduction
2. Combustion Theory
3. Burners
4. Atomization
5. Low NOx Burners
6. Furnaces
7. Air Preheat
8. Furnace Control and Safety
9. Furnace Tube Decoking
10. Refractory
11. Furnace Tube Failure
12. On-Line Chemical Cleaning
13. Trial for Ignition Time
14. Exercises