

Steelmaking Course

EAF-LF-CC Route

“Practical knowledge to use in your company”

Contents Summary

Module 1: Vision of Steelmaking

- Vision of Iron and Steel sector
- Global vision of Steelworks
- Energy-environmental vision

Module 2: EAF

- Introduction to steelmaking
- Steelmaking process chemistry
- Electrodes and Refractories
- EAF process
- Contribution of energy and environment
- EAF parts and operations
- DRI use in an EAF
- Scrap types and optimum mix
- EAF phases
- Dephosphoration and Desulfuration

- Energy Balance
- Productivity and quality

Module 3: Ladle Furnace Refining

- Process and operations of ladle furnace refining
- Control of slag
- Desoxidation and alloy addition
- Other additions and inclusions control
- Control of gases and decarburation
- Homogenization and temperature control
- Refractories
- Productivity and quality

Module 4: Continuous Casting

- Solidification
- Influences in continuous casting product quality
- Cleanliness defects at ingot foot
- Surface defects
- Internal defects
- Productivity and quality
- ISO 9001:2015 in Steelworks

e-LEARNING – ONLINE TRAINING

This type of course is called Online Training, and it includes both content for online training and virtual classroom sessions. To register, please send us a message at info@atecid.com, or use our [contact web page](#), so we can reserve a place for you.