



CERTIFICATE OF ADVANCED STUDIES (CAS) AT KOBLENZ UNIVERSITY OF APPLIED SCIENCES **"REFRACTORIES FOR GREEN STEEL"**

The CAS "Refractories for Green Steel" programme explores how refractories will enable the transition towards green steelmaking and how refractory linings will help to reduce CO₂ emissions. The programme is unique in Europe.

REFRACTORIES FOR GREEN STEEL





www.hs-koblenz.de/wgk

TOPICS

- two modules: "Refractories for DRI plants" and "Refractories for EAF"
- steelmaking processes: Introduction into DRI plants and EAF processes
- refractory materials: Overview, refractory sector, properties, technology
- refractory engineering: Lining concepts, properties, evaluation of wear
- computer-aided tools and digital processes in refractory engineering
- environmental and safety regulations

THE CAS IS OPEN TO PARTICIPANTS WITH

- a bachelor's degree in a related field (Civil Engineering, Chemistry, Physics, Glass and Ceramics Engineering, Mechanical Engineering, Materials Science, Metallurgical Engineering)
- an interest in refractory materials and their applications
- fundamental knowledge of refractories
- **basic** professional experience
- an interest in studying in an international, intercultural and interdisciplinary environment

YOUR BENEFITS

- ✓ industry-relevant topics
- ✓ trainers with relevant industrial experience
- ✓ open exchange between like-minded participants
- ✓ individual coaching

GRADUATES ARE IDEALLY EQUIPPED FOR POSITIONS IN

- ✓ industrial research or application departments at steelmakers or refractory producers
- research institutes
- training and project management





PROGRAMME OVERVIEW

Qualification:	Certificate of Advanced Studies
Start:	Each summer semester
Duration:	1 semester
Credit Points:	10
Costs:	1.200 €
Language:	English
Mode of study:	Virtual/hybrid, part-time

CONTACT

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