



**in-company
courses**

training **jtc**

in-company courses

ITC custom training enables all the courses detailed in this catalogue to be tailored to company needs in regard to both course length and contents. The suggested course length, based on ITC teaching experience, is the course length deemed most appropriate in order to meet course objectives.

Course price, teaching venue, and timetable are agreed with the company involved.

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general characteristics of the courses

general information on the courses_

These courses are designed to enhance worker knowledge in subjects of interest relating to R&D&I, technology, and design in the ceramic sector.

target users_

Custom courses for companies are directed towards company workers with medium-level or advanced qualifications, or holders of university degrees related to the ceramic sector: chemistry, design, etc.

timetable_

The custom course timetable is agreed according to the client's needs and ITC's available training resources.

nº of places_

The nº of places on custom courses are fixed by the company according to company needs.

methodology_

The teaching approach combines theory and practice. Particularly to be noted is the personalised attention given to students and the use of digital formats in explaining and conducting the lessons.

teachers_

All courses will be delivered by qualified ITC instructors and/or experts on the subject matter to be taught.

certificate of attendance_

The students that take ITC courses will receive a certificate of attendance containing the relevant information on the course and the supporting organisations.

price_

The price of each course is related to course length and a cost estimate can be provided on request.

teaching venues

Custom courses for companies can be delivered as required by the company:

- on the premises of the company commissioning the course.
- on ITC premises:

Main headquarters

Campus Universitario Riu Sec | Avda. Vicent Sos Baynat, s/n
12006 Castellón (Spain)

ALICER headquarters

Avda. del mar, 42
12003 Castellón (Spain)

information

Contact persons ITC
Sheila Gracia, Roger Goñi

Tel.: (34) 964 34 24 24
Fax: (34) 964 34 24 25

email: formacion@itc.uji.es

technology area

Product knowledge

Analysis of pathologies and claims	4h
Ceramic tiles. Technical and commercial aspects	18h
Classification, selection, and installation of ceramic tiles	10h

Standards

Standard tests on the finished product in the ceramic tile industry	20h
Basic principles of environmental regulations in the ceramic and related industries	25h
Standard R&D&I management systems (UNE 16600)	8h

Ceramic process

Additives in the ceramic production process	10h
Energy saving in the ceramic industry	10h
Energy saving in the ceramic industry (brick and roofing tile sector)	10h
Analysis of defects in ceramic tile manufacture	20h
Solids characterisation, storage, and transport in the ceramic industry	12h
Rheological behaviour of glaze suspensions and ceramic inks	20h
Decoration of ceramic products	20h
Single-fire ceramic tile manufacture	10h
Single-fire ceramic tile manufacture. Practical course	15h

Eco-management in the ceramic industry	28h
Raw materials for the manufacture of ceramic bodies. Formulation criteria of ceramic bodies.....	20h
Raw materials and pressing of ceramic powders	20h
Raw materials and processing of fired-clay products (brick and roofing tile sector)	19h
Ceramic glazes	20h
Advanced ceramic coatings. Application techniques.....	10h

Laboratory techniques

Chemical analysis of cements by X-ray fluorescence	20h
Characterisation of raw materials for the ceramic industry	20h
Characterisation of ceramic materials by X-ray fluorescence spectrometry	20h
Colorimetry applied to ceramics	12h
Control and calibration of measurement and testing equipment.....	15h
Measurement of rheological behaviour	10h
Chemical analysis methods in the ceramic industry	30h
New chemical characterisation methods of ceramic materials	12h
Advanced ceramic coatings. Characterisation techniques	10h
Techniques for determining surface characteristics of coverings	20h
Use of scanning electron microscopy (SEM) and X-ray diffraction (XRD) for control of ceramic materials.....	20h

area for design, architecture, and communication

Communication

New trends in communication: strategic trends and tools for companies40h

Product knowledge

Updating knowledge of ceramic products for the sales department. Intensive course130h

Ceramics and architecture. Basic knowledge for the sale of ceramic materials63h

Management of the ceramic product range. Intensive course148h

Ceramic design

Knowledge, skills, and methodologies in ink separation40h

Creativity, design, and ceramics17h

Design and development of ceramic textures and reliefs. Texturising ceramics.
Customising the ceramic skin40h

Techniques and tools

Creative alternatives to the digital ceramic image. From the image to the ceramic product15h

Design and development of models for 3D printing60h

Design and development of 3D reliefs.....60h

Techniques for the design of virtual domains50h

Trends

Habitat trends. Initiation	7h
Habitat trends and their application in the company	51h
Habitat trends, marketing and sales strategies and communication.....	10h
TRENDS I: Documentation and Coolhunting	10h
TRENDS II: Trends analysis	10h
TRENDS III: Application of trends in the company	10h

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Instituto de
Tecnología Cerámica **jtc**

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2009

Sede Central

Campus Universitario Riu Sec
Av. Vicent Sos Baynat s/n
12006 Castellón (Spain)

Sede Alicer

Av. del Mar 42
12003 Castellón (Spain)

www.itc.uji.es

info@itc.uji.es
T. +34 964 34 24 24
F. +34 964 34 24 25