

# Certificate Smart ICT for business innovation

Professional Certificate



ILNAS

□ FACULTY OF SCIENCE, TECHNOLOGY AND COMMUNICATION

## Degree Certificate Smart ICT for business innovation (Professional)

**Duration** 1 year programme (Thursday and Friday evenings + some Saturday mornings) / 2 semesters: 18 ECTS  
Application opening date: September 18, 2017 // Start of the courses: February 2018

**Teaching language** English

**Presentation** Information and Communication Technologies (ICT) are becoming more interconnected and smart, in particular through standardisation, and they play an increasingly important role in all economic and societal sectors. Indeed, Smart ICT (e.g.: Cloud Computing, Internet of Things, Big Data and Analytics) nowadays contribute significantly to economic growth and offer previously unimagined possibilities for innovation and business development. This Certificate aims to enhance skills of professionals in the fields of Smart ICT and standardisation by offering a broad view of Smart ICT concepts and tools at their disposal to develop their sense of innovation.

**Objectives** Students who successfully complete the Certificate will be able to:

- Identify and decode the high potential of Smart ICT concepts for business and innovation
- Cater for the current and future issues and standardisation needs in ICT areas such as:
  - o Digital Intelligence (development of ICT standardisation, ICT Governance)
  - o Smart Platforms (Cloud Computing, Smart Cities, Green ICT)
  - o Smart Interactions (Internet of Things, Big Data and Analytics, Digital Trust)
- Analyse the challenges of Digital Trust and information security
- Identify and use published and draft standards relevant to Smart ICT
- Implement ICT technical standardisation in the business strategy

**Career opportunities**

- Digital Strategy Consultant
- Smart ICT Consultant
- Innovation Manager
- Standards Manager
- Head of Digital Strategy

**Strengths**

- Individual coaching and courses taught in small groups
- Internationally renowned professors and experts
- Multidisciplinary approach (lectures, tutorials and practical projects)
- Programme supported by the Ministry of the Economy, the European standardisation organisations (CEN, CENELEC and ETSI), Fedil ICT, Digital Luxembourg, Chambre de Commerce and Technoport

## Entry requirements

- 20 participants max (the selection is based on the application documents).
- Bachelor degree with a minimum of 3 years professional experience in ICT or a Master degree in ICT

## Enrolment fee

3600€

## Contact

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## Campus

Belval, Maison du Savoir  
2, avenue de l'Université  
L-4365 Esch-sur-Alzette

## Further information

<http://smartict.uni.lu>



The Smart ICT Certificate gives access to **financial public support** regarding continuous vocational training as part of different legal and regulatory provisions. Further information can be provided on request.



“Smart devices are transforming our current model of society at a very fast pace. Disrupting innovations in ICT are paving the road to securely transform bulk data from these devices into valuable knowledge. This certificate is a unique programme designed to empower professionals, enabling the new business development through the use of Smart ICT technologies and standardisation.”

Prof. Pascal Bouvry, Course Director

“The future of ICT will be more and more smart. To facilitate this development, with the global objective to strengthen the different societal, social, environmental and economic needs, it is notably essential to ensure interoperability, digital trust and quality of services. In this frame, this certificate encompasses the most up-to-date and relevant information from the constantly improving domain of technical standardization, in order to deliver all the related innovative potential to the market.”

Dr. Jean-Philippe Humbert, ILNAS Course Director



“This course offers in-depth knowledge of standardisation efforts on the international, the European and the national levels. Due to the reliance on standards in our everyday life, I consider the taught knowledge a considerable asset, both from a personal and a professional viewpoint. Furthermore, the interaction with the international experts and with the professors, as well as the hands-on approach that this course follows made it a very pleasant, insightful and ongoing experience.”

Mathis Steichen, Graduate 2016