



Knowledge FOR Resilient soCiEty

Training visit

Master in Fire Safety programme offered at Department of Civil Engineering,
Technical University of Denmark (DTU)

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Since 1999, the Technical University of Denmark (DTU) has offered a Master in Fire Safety as an open education. The master aims at persons who intend to lead and coordinate tasks within fire technology both in private companies and in the public sector. The education went accredited in 2011 and responds to an institute accreditation at DTU since 2014.



Curriculum (2017-2018)

0. Semester – Fall 2016

11E16 Engineering Mathematics and Physics for building constructors

1. Semester – Spring 2017

11B04 Fire Chemistry

11B24 Fire Safety Engineering

11B25 Fire Dynamics

2. Semester – Fall 2017

11B01 Structural Fire Safety Design

11B02 Industrial Fires

11B12 Fire Modelling

3. Semester – Spring 2018

11B05 Fire Risk Management

11B13 Technical Fire Dimensioning

11B27 Complex Buildings

4. Semester – Fall 2018

11MIB Fire Engineering Project Task

COMPETENCES

The Master in Fire Safety program is divided into types of competences:

General competences (20 ECTS)

Fire Chemistry

Fire Dynamics

Structural Fire Safety Design

Fire Safety Engineering

Specializations (20 ECTS)

Industrial Fires

Fire modelling

Fire Risk Management

Technical Fire Dimensioning

Optional courses (5 ECTS)

Complex Buildings

Modelling of Buildings on fire

Thesis (15 ECTS)

Fire Engineering Project Task



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PROFESSIONAL STATUS:

- *Fire-safety engineering projects and counseling in engineering consulting companies*
- *Management of fire construction projects with public authorities*
- *Product development with manufacturers of building materials (fire properties)*
- *Fire insurance*
- *Fire testing of material, products and components*
- *Fire inspection*



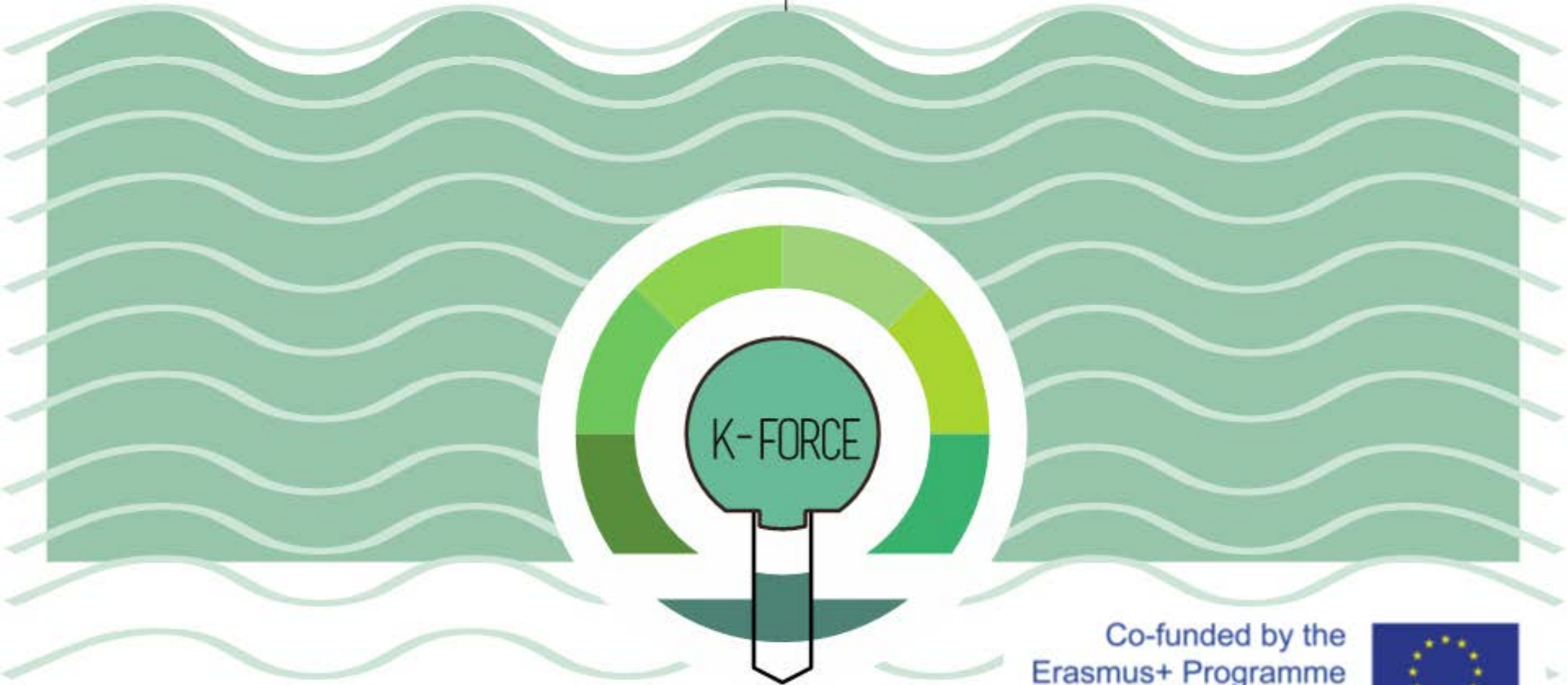
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Table 1 provides an overview of the ordinary higher education degrees, adult and continuing higher education degrees, Bologna Framework and the European and National Qualification Framework for Lifelong Learning (EQF/NQF). The table also include the Danish qualification levels, corresponding to the European system.

Table 1. Overview of education levels and frameworks for ordinary, adult and continuing higher education degrees in Denmark and Europe (Sørensen 2017)

Danish Qualification levels	Ordinary higher education degrees	Adult/continuing higher education degrees	Qualification Framework for the European Higher Education Area–Bologna Framework	European/National Qualification Framework for Lifelong Learning (EQF/NQF)
Academy Profession level	Academy Profession (AP) degree (90-150 ECTS)	Academy Profession (AP) degree (60 ECTS). Also known as Further Adult Education (VUU) degree	Short cycle	Level 5
Bachelor's level	Professional Bachelor's degree (180-270 ECTS)	Diploma degree (60 ECTS)	First cycle	Level 6
	Bachelor's degree (180 ECTS)			
Master's level	Master's degree (120 ECTS)	Master degree (60-90 ECTS)	Second cycle	Level 7
PhD level	PhD degree (180 ECTS)		Third cycle	Level 8



Thank you
for your attention

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