

# Luxembourg: Digital Learning Hub

POLICY DEVELOPMENT

PRACTICAL MEASURE/INITIATIVE

 LUXEMBOURG

## Timeline

2022 Implementation 2023 Implementation 2024 Implementation

2025 Implementation

ID number 44945

## Background

To respond to the growing demand for highly skilled ICT specialists on the Luxembourg labour market, the Ministry of Education, Children and Youth founded the Digital Learning Hub (DLH) to attract national and cross-border talent, regardless of their qualification, with training offered by renowned training providers and a learning environment that encourages creativity, autonomy and teamwork.

## Objectives

To reduce the digital skills gap and to address the shortage in highly skilled ICT professionals in Luxembourg.

## Description

The DLH is located in the south of Luxembourg. On its 700 m<sup>2</sup>, the Hub offers open and multi-purpose spaces and multifunctional classrooms, an amphitheatre and computer laboratories dedicated to networks, cybersecurity and product design and prototyping. A virtual infrastructure can be used to create working environments of all kinds, simulating a wide range of operating systems, software and usage scenarios such as cyber-attacks. The DLH favours face-to-face learning, but all training can also be followed remotely if circumstances require it. The DLH has a core team and also uses a network of external experts. It applies innovative didactics and peer learning rather than formal teacher-led classrooms.

The DLH offers training in four areas: coding, design thinking, cybersecurity and blockchain.

The world-renowned School 42 (École 42) offers gamified training where learners progress by solving challenges, through peer-to-peer exchanges. The École 42 training takes 3 years to complete on average and leads to a bachelor equivalent certificate.

D-School is based on a model from Stanford University and offers a human-centred approach to solving complex problems, finding sustainable solutions, and designing innovation projects.

The Luxembourg Blockchain Lab is the initiative of five associations and research centres active in the field. It offers training courses on the main principles of blockchain, its legal

and financial implications and introduction to blockchain programming. In addition to its catalogue courses, the DLH offers customised training courses on employer request.

The DLH courses are open to anyone over the age of 18, subject to admission tests and assessments based solely on candidate ICT competences, regardless of the country of residence and former qualifications. The courses particularly target young people who have left secondary school or university, with or without a diploma; jobseekers who wish to retrain (reskilling); and digital professionals sent by their company to improve their skills in a highly specialised field (upskilling). Courses are free of charge to job seekers registered with the public employment service.

### **2022 Implementation**

The DLH was launched in May 2022 and approximately 900 participants took part in 150 courses.

### **2023 Implementation**

In 2023, DLH launched a new training offer provided by the renowned Ecole 42: 42 Luxembourg. Candidates were selected during the first “piscine”, a 25-day selection process building on gamified challenges that took place between 20 November and 15 December 2023.

In total, in 2023, DLH offered 306 courses and recorded 3 645 registrations. 2095 certifications were issued.

### **2024 Implementation**

In 2024, following the selection phase held end 2023, 143 students (14% women) joined 42 Luxembourg in February 2024. After 3 years of training, candidates receive a certificate that equals a Bachelor diploma.

Three selection processes to join 42 Luxembourg (“piscines”) were kicked off:

- January 2024, recruiting 104 Students (of which 28 women)
- July 2024 (132 students, of which 28 women)
- September 2024 (178 Students, of which 24 women).

Form January to September 2024, DLH offered a total of 372 training courses and recorded 6975 registrations.

### **2025 Implementation**

In January 2025, the DLH organised its very first IT jobs fair in collaboration with the Public Employment Service (Adem). This event brought together a significant number of companies and recruiters from diverse sectors, offering fantastic opportunities for jobseekers and our talented students to connect with potential employers and explore exciting career prospects.

## **Bodies responsible**

- Ministry of Education, Children and Youth

## **Target group**

### **Learners**

Young people (15-29 years old)

Young people not in employment, education or training (NEETs)

Learners at risk of early leaving or/and early leavers  
Adult learners  
Older workers and employees (55 - 64 years old)  
Unemployed and jobseekers  
Persons in employment, including those at risk of unemployment  
Low-skilled/qualified persons

## Thematic categories

### Modernising VET infrastructure

Improving digital infrastructure of VET provision

### Modernising VET offer and delivery

Modernising VET standards, curricula, programmes and training courses

Diversifying modes of learning: face-to-face, digital and/or blended learning; adaptable/flexible training formats

Developing and updating learning resources and materials

### Supporting lifelong learning culture and increasing participation

Providing for individuals' re- and upskilling needs

## European priorities in VET

### VET Recommendation

VET agile in adapting to labour market challenges

VET as an attractive choice based on modern and digitalised provision of training and skills

VET promoting equality of opportunities

### Osnabrück Declaration

Resilience and excellence through quality, inclusive and flexible VET

Establishing a new lifelong learning culture - relevance of continuing VET and digitalisation

Sustainability - a green link in VET

## Subsystem

CVET

## Further reading

[Digital Learning Hub](#)

“ … ” **Cite as**

Cedefop, & ReferNet. (2026). Luxembourg: Digital Learning Hub: Luxembourg. In Cedefop, & ReferNet. (2026). *Timeline of VET policies in Europe* (2025 update) [Online tool].

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