



ENTREPRENEURIAL EDUCATION FOR A STRONG DIGITAL EUROPE

Master School, Doctoral School, Summer School, Professional School



EIT Digital Academy is Europe's education leader in digital knowledge and skills in support of innovation and entrepreneurship.

Through its Master, Doctoral, Professional and Summer schools, it delivers a unique blend of the best of technical excellence and entrepreneurial skills and mindset to digital engineers and entrepreneurs at all stages of their careers.

The evolution of professions, the need for specific profiles and skills, the rise of new technologies, and the digital transformation of different industrial and societal sectors, all mean that the needs in education are increasingly important. One of the big challenges facing Europe is elusive digital talent. There is a lack of people in digital and STEM, as well as women interested in tech and in digital.

EIT Digital Academy is here to fill this gap by supplying highly qualified digital talent to European community.

In 2019:

- Over 400 new students were enrolled in master and doctoral programs. In total, more than 2,300 students have enrolled since 2011.
- 12 summer schools were held in 11 different locations with a total of 480 participants.
- Over 150,000 course enrolments and over 4,800 course completions on massive open online courses (Coursera)



"The educational elements oriented to entrepreneurship and innovation, together with the technical training to promote digital transformation, are the hallmarks of the EIT Digital Academy."

Roberto Prieto, Chief Education Officer, EIT Digital



EIT Digital Master School aims to be Europe's answer to the digital skills gap by educating innovators with an entrepreneurial mindset.

The emphasis of the Master School is on delivering an attractive, cutting-edge programme portfolio that is well aligned with EIT Digital's focus areas and addresses Europe's digital skills shortage. This includes EIT Digital's signature Innovation

& Entrepreneurship (I&E) education, as well as innovative learning models like the new Blended Master. The EIT Digital Master Programmes are dual degree programmes and include geographical and organisational mobility requirements. This means that students are required to study in two different countries and undertake internships in a non-academic setting. The objective of this mobility is to help students develop a pan-European and market-oriented perspective of digital innovation.

MASTER SCHOOL PROGRAMMES

- Autonomous Systems
- Cloud and Network Infrastructures
- Cyber Security
- Data Science
- Embedded Systems
- Human Computer Interaction and Design
- Visual Computing and Communication

*New programmes in FinTech and Digital Manufacturing launching in 2019/2020



"The business knowledge I have gained during my masters is priceless. If we work hard, the Innovation & Entrepreneurship courses can open the door to a new future."

Isabelle Wilhelm



"EIT Digital has made me more 'industry ready' than ever before. I feel I am equipped to take on varied roles in industry from business development to data science."

Vibhor Sharma



EIT Digital Doctoral School aims to develop the ICT innovation concepts where doctoral candidates are offered the opportunity to acquire a mindset for Innovation and Entrepreneurship (I&E).

Our Industrial Doctorate Programme (IDSL) is an innovative applied-research Ph.D. programme and it focuses on product and

market-driven technology research to boost I&E in digital technologies. EIT Digital industrial and academic partners collaborate within IDSL to propose thesis topics with clear innovation added value, and excellence in academic standards. Doctorate students participating in IDSL have the opportunity from the very beginning of their Ph.D. studies to combine technical and I&E education, provided at partner universities, companies, and EIT Digital Doctoral Training Centers (DTC).

PH.D. POSITIONS

- Coopetitive, Multi-Stakeholder Resource, Service and Business Models for Digital Infrastructures: Vendor Customisations Over Open Networking Automation Platform (ONAP)
- Designing an Edge-Cloud Platform for Ultra-Low Latency and Data Intensive Applications of the Future: 5G Services and XR Applications
- Ease data management in combined fog and cloud environments
- Information fusion for secure self-driving cars
- Micropayments and blockchain
- Machine Learning-based Customer Profiling
- Integration of LiFi communication in C-ITS architecture for Smart Cities environments
- Network Technologies for Big Data Applications



"I want to make normal life available to every family. That is why I'm doing my industrial doctorate. I do not care about my grade; I believe my research can be applied in various domains to improve people's lives. If I can achieve that, then I will have made an impact." **Balázs Horváth**

EIT Digital Industrial Doctorate student, Balázs researches how to use data efficiently at Magyar Hungarian Telekom and Deutsche Telekom under the academic supervision of Elte University. His focus is time series, forecasting, and anomaly detecting - predicting potential problems to prevent them from happening.



EIT Digital Summer School offers unique two-week programmes held at several locations in Europe.

Our programmes cover technology, innovation, and entrepreneurship in relation to five areas with major societal and industrial challenges, but also business opportunities: Digital Cities, Digital Industry, Digital Wellbeing, Digital Infrastructure,

and Digital Finance. Participants immerse themselves in real business case studies originating from accelerators, startups, and our network of industrial partners. An important aspect of the Summer School is the interaction with companies and entrepreneurs. This includes visits to innovation labs and incubators, presentations by high-tech startup companies, and discussions with young technology-based founders and entrepreneurs.

SUMMER SCHOOL PROGRAMMES

- Unleashing the Power of Data for Better Cities
- Integrating Personalised Mobility Solutions for Digital Cities
- Digital Cities as Infrastructures for Smart Mobility
- Digital Transformation for Resilient Cities
- IoT Platforms for Industry 4.0
- Disrupting Retail - Digitalisation, Growth, and User Engagement
- Data Driven Manufacturing with Industry 4.0
- Healthy Lifestyle and Behavioural Change
- Longer Independent Living
- Big Data Analytics
- Internet of Things and Business Transformation
- Machine Learning for Financial Data



"I learned how to move fast. At EIT Digital Summer School, we created business solutions in two weeks, starting with an idea all the way to creating a business model and a value network and bringing it to the investor. I learned that you do not need to sit in a conference room for months to think about that."

Peter Navrén, IT Project Manager at Rexel, Sweden



EIT Digital Professional School, in collaboration with international partners, develops and provides learning programmes that help companies and organisations to acquire the right leadership capacity, workforce skills, and corporate cultures needed for the digital transformation.

The short, compact courses have high industrial relevance and integrated knowledge, and combine theory and practice in the actual business context.

The courses meet the needs of professionals through innovative blended learning format - a combination of online learning and face-to-face masterclasses.

CURRENTLY AVAILABLE COURSES

- Blockchain for the Decision Maker
- Security and Privacy for Big Data
- Get Ahead in the Ongoing Digital Transformation
- Data Science for Business Innovation
- Blockchain 360: State of the Art for the Professionals
- Business Implications of AI
- Cybersecurity for Identity Protection
- Digital Transformation and Social Challenges

ZEISS

"The course 'Architecting for Business Value' provided a unique opportunity to improve in Systems Architecture and Systems Engineering, which is difficult to do by offline study alone. The strong hands-on focus of the course helped us to really grasp and apply the concepts that were presented. After the course, we were able to use the presented methods in our daily work, learning day-by-day how it maps to our workplace. For this reason, the course brought a lot of value to our company."

Dr. Thorsten Lenser, Software Architect, Carl Zeiss Microscopy GmbH



LEARN MORE

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