



ULB

BECAUSE  
WOMEN HAVE A  
PLACE TO TAKE  
IN DIGITAL  
PROFESSIONS!

ULB

CONTINUING  
EDUCATION  
TECHNOLOGIES  
AND SCIENCES

# S.HE GOES DIGITAL

EXECUTIVE MASTER IN DIGITAL AND IT ESSENTIALS  
20 days & 25 half days from Jan - June 2023 + internship

## THE ASSETS

Facilitate your access to positions in IT environment:

Application consultant, Account manager, Data protection officer, Data manager, Data scientist, Digital project manager, Digital business analyst, IT enterprise architect, IT recruiter, IT manager, IT project manager, IT consultant, IT helpdesk worker, IT teacher, Scrum master, Internet marketer, Content marketer, System administrator,...

## TARGET AUDIENCE

This program is dedicated to people who want to start or continue their career in the IT fields. No prior STEM background required.

## LEARNING OUTCOMES

### IT TECHNICAL SKILLS:

- IT literacy
- Digital fluency
- Digital transformation essentials
- Application of basic coding

### TRANSVERSAL SKILLS:

- Translate and bridge business to technology
- Manage and communicate on your projects in the digital era
- Feel comfortable in IT environments



## PRACTICAL INFORMATION

The training will take place on the Brussels campus of the Université libre de Bruxelles (Campus de la Plaine and Campus du Solbosch) and campus of de Vrije universiteit Brussel.

Subscription fee : 1.800 €

Members Febelfin : 1.200 €

Members Agoria : 1.200 €

Non-employed : 1.200 €

Sponsoring: Contact us!

Admissions are based on applications. Candidates must present a certificate of successful completion of an undergraduate degree or apply for a VAE.

Registration :



A program in collaboration with :

**fintalent**

**.AGORIA**

**VUB** VRIJE  
UNIVERSITEIT  
BRUSSEL

## PROGRAM

ACADEMIC COORDINATION: AN BRAEKEN (VUB) & Charles CUVELLIEZ (ULB)

MODULE 1 - Foundations (coord. Jean CARDINAL)

- Computational thinking/philosophy
- Programming
- Problem-solving

MODULE 2 - Technology (coord. Yifan YANG)

- Intelligent hardware
- Developing a starter-level sensor system with Arduino platform
- The technology stack incl. infrastructure (vert.)
- Cloud, XaaS, encryption & PKI, tooling

MODULE 3 - AI & data (coord. Johan LOECKX)

- AI & data mindset
- Responsible innovation with AI
- Assessing readiness
- Impact
- Opportunities & Limitations
- Trends & applications
- Case study project

MODULE 4 - Cybersecurity (coord. An BRAEKEN)

- Data protection and data security
- Cybersecurity basics
- Network security
- SW security
- Risk management

[techsci@ulb.be](mailto:techsci@ulb.be)

+32 (0)2 650 67 75

Université libre de Bruxelles

Av. F. Roosevelt, 50 -CP160/27

1000 Bruxelles - Belgique





## PROGRAM

### MODULE 5 - IT Strategy & Governance (coord. Valentin DIRKEN)

- ♦ Technology & IT Strategy
- ♦ Digitalisation & Technologies
- ♦ Open Source movement
- ♦ Sustainability, Legal & Ethics

### MODULE 6 - Methodologies (coord. An JACOBS)

- ♦ General introduction to the methodologies used in software companies
- ♦ Interdisciplinary collaboration and personality profiles
- ♦ Business aspects of IT products C
- ♦ Design thinking and requirement gathering
- ♦ Product management
- ♦ Software development
- ♦ UI design (styleguides, UI dev tools, mobile apps, ...)
- ♦ Feature or product launch (marketing, implementation, evaluation,...)
- ♦ Technical documentation
- ♦ External funding

### MODULE 7 - Solving real-world issues using digital (coord. Marie-Mo VAEYENS)

- ♦ Real-world applications in STEM fields
- ♦ Real-world applications in non-STEM fields
- ♦ Professional IT role models f/m/X

INTERNSHIP - Internship of several months (possible at your employer)

MENTORING - Mentorship by female rolemodels (through Inspiring 50 and sponsors)

