

Skills profile of the Bachelor's degree course Business Information Technology

Objectives of the degree course

Business information technologists are essential stakeholders of the digital society. They are the mediators between the economic world and the technical world. In cooperation with the client, they analyse, design, implement, integrate and operate information systems of organisations, considering the cultural, economic, technological and social context.

On completion of the Bachelor's degree course Business Information Technology, students will have the following skills:

Professional skills

- 1. Analyse business needs and requirements by**
 - mapping stakeholders and processes
 - understanding and integrating businesses
 - adapting to different cultures
 - identifying risks, in particular economic, legal and technical risks

- 2. Design, evaluate, implement, integrate and operate digital services providing added value for users by**
 - taking into consideration the ethical and legal rules of the profession
 - considering the existing and heterogeneous technological environments in a socio-economic context
 - evaluating and choosing appropriate information and communication technologies
 - optimising technical, financial and human resources
 - optimising user experiences
 - guaranteeing security

- 3. Check the adequacy of digital business solutions for the organisation's business processes by**
 - testing the data, system and service quality of solutions
 - aligning with the corporate strategy
 - checking the compliance of solutions with management decisions
 - securing digital solutions according to risk management
 - complying with legal aspects
 - measuring the impact of information systems for organisations

4. Enhance the value of digital assets by

- Using and extracting value from data in digital services
- mapping the organisation's digital assets
- anticipating and managing change in organisations
- implementing a business intelligence and technology monitoring system
- proposing technology and business solutions for the organisation and the community

5. Conceive, defend and implement an IT project by

- proposing a methodology adapted to the structure of the organisation
- integrating budget, time and strategic constraints

Methodological skills

1. Evolve in a changing environment by

- understanding and anticipating technological, cultural and organisational developments
- being a provider of innovation in their organisation
- anticipating

2. Implement methodologies and tools and apply them in different fields:

- IT project management
- software development
- deployment and operation of information systems
- risk management
- business management

3. Identify, choose and adapt appropriate solutions by taking into consideration different perspectives:

- economic
- methodological
- technological
- social
- environmental
- ethical
- legal

4. Apply efficient communication techniques in accordance with their role by

- integrating into the organisation
- adapting to the needs of the different stakeholders
- accompanying users during the change process
- considering all stakeholders

Social skills

- 1. Integrate and work efficiently in a variety of contexts by**
 - adapting to people with different backgrounds
 - being able of questioning their own culture and favouring a results-oriented approach
 - valuing ideas and leaving space for others
 - bringing together the contributions of the various stakeholders
 - creating favourable conditions for teamwork
 - optimally using the different communication channels

- 2. Efficiently and collaboratively build, maintain and mobilise their networks by**
 - being available for other professionals (colleagues, community)
 - sharing their knowledge, expertise and experience
 - participating in physical and virtual events
 - developing their communication skills

- 3. Understand and integrate the user's point of view by**
 - listening actively
 - dealing with situations with an open mind-set
 - choosing a client-centred approach
 - making users aware of the opportunities and limitations of technologies
 - using an appropriate language for the user context

Personal skills

- 1. Be motivated, thorough, perseverant and show initiative**

- 2. Have a pragmatic work approach through simplification and personal organisation**

- 3. Adapt their personal behaviour to a given situation by**
 - understanding their environment
 - understanding the stakeholders' motivations
 - being able to evaluate their self-confidence, managing their stress and work on their self-assurance
 - knowing how to find metrics

- 4. Be curious and critical through**
 - a differentiating and critical approach to the information received
 - a positive error culture