

First cycle degrees in Information Systems (B Sc) are awarded to students who

Knowledge and understanding:

Have demonstrated/acquired

- an understanding of the purposes, uses, and value of information systems in organizations and business activities
- an understanding of IS technology foundations (such as networking and computing architecture, data bases ...)
- knowledge and understanding of concepts, principles and methods for designing, deploying and managing IS and ICT in organizations and business activities
- modelling: use modelling in systems analysis and design for the purposes of comprehension, communication, prediction and the understanding of trade-offs.
- methods and tools: select and deploy appropriate theory, practices and tools for the specification, design, implementation and evaluation of IS.
- critical evaluation and testing: analyse the extent to which an IS meets the criteria defined for its current use and future development.
- professional considerations: recognise the professional, economic, social, environmental, moral and ethical issues involved in the sustainable exploitation of information technology and be guided by the adoption of appropriate professional, ethical and legal practices.

Applying knowledge and understanding:

Can apply their knowledge and understanding to

- identify and design opportunities for IT-enabled organizational improvement
- identify and evaluate solution and sourcing alternatives
- analyze trade-offs
- design and implement information systems solutions, and
- manage ongoing information technology operations
- participate in and manage change and innovation projects in national and international settings

Making judgements:

Have the ability to make judgements about

- critically examine, analyze, and evaluate IS design and change proposals from business and technical perspectives
- analyze and evaluate IS, organizations, and business activities
- analyze and evaluate competencies and resources for IS
- analyze and evaluate project work and group dynamics
- analyze and evaluate tools supporting the above activities
- assess business trends, technology innovations and general tendencies in society in relation to IS and automatic data processing with regard to relevant scientific, societal, human, and ethical aspects

Communication skills:

Can communicate information, ideas, problems and solutions to both specialist and non-specialist audiences:

- the ability to work as a member of a (global) project team recognising the different roles within a team and different organizational settings and cultures
- the ability to independently and in group present (orally, electronically or in writing) rational and reasoned ideas, plans, and solutions
- the ability to use computer-based systems for collaboration in IS design work

Learning skills:

have developed the following learning skills that are necessary for them to continue to undertake further study with a high degree of autonomy.

- Effective information-acquisition and gathering skills.
- Numeracy and literacy in both understanding and presenting cases involving a quantitative and qualitative dimension.
- Managing one's own learning and development including time management and organisational skills.
- Appreciating the need for continuing professional development in recognition of the need for lifelong learning.