

### Aim of the program

This Major on «Business Information Systems for the Digital Era» allows the students to obtain professional and technical competence in strategic decision making, designing, managing and implementing data governance programs and appreciate business intelligence and analytics for creating organizational value to enterprise facing challenges due to digital transformation and other IS issues and trends.

This co-op program will ensure both managerial as well as basic business analytical knowledge, skills and attitudes that are crucial for a career in information systems. This program will use varying pedagogical approaches so as to balance the context of the topic and individual course's goals and objectives. Few highlights of the program are:

- › Pedagogical flexibility allows for cross-over and context-based learning enriching the connections between the professional and classroom learning, thus enhancing the independent learning abilities to advance the knowledge and understanding of specific areas of information systems and the contemporary problems;
- › Managerial and social skills acquired through the program;
- › Personalized learning with guidance on chosen professional project;
- › A fully English medium of teaching and learning prepares students for truly global markets;
- › Provide cross cultural trainings to develop the cultural intelligence of the participants.

### Career and placements

On completion of this program, the students are open to do management consulting with a focus on IS or take up general or a more focused managerial positions in any global organization. Following is a non- exhaustive list of the positions one may be interested in the IS domain.

- › Consultant in IS management
- › IT/IS Project Manager
- › Digital Marketing and Strategy Manager
- › IS Strategy Expert
- › IT Resource/Risk Manager
- › IS Manager
- › Social Media Systems Manager
- › Change Manager
- › Bigdata Program Manager
- › Business Analyst
- › Data Steward
- › Data Governance Expert
- › Knowledge Manager
- › Digital Intelligence Officer

### Pedagogical approach

Focus on cross-over and context based learning.

Industry experts intervene to provide a realistic and emerging real life IS scenarios faced by IS managers (50% classes taken by full-time academic faculty).

Benefits from co-tutorship model.

Integration of latest research in the IS domain to teaching.

Emphasize on case study discussion and learning by argumentation that can help students in engagement and self reflection. It also encourages scientific methods of inquiry and communication.

Encourage collaborative projects and increase cultural sensitivity.

The final project is in the form of a professional Cap Stone Project/ Master Synthesis Thesis that allows the students to demonstrate their learning in the context of their professional engagement. The evaluation of the thesis would be based on the pre-defined and communicated learning goals and learning objectives of the program, assessed by a panel of experts from academia and the industry.

### Contact

Anuragini Shirish: [anuragini.shirish@imt-bs.eu](mailto:anuragini.shirish@imt-bs.eu)

## NAME OF THE COURSE, MODULE & THEIR COMPONENTS

NUMBER OF  
HOURS

CREDITS ECTS

### DIGITAL STRATEGY

63

5

Organization Strategy and IS strategy

21

1

Digital Transformation

21

2

Digital Resources Management

21

2

### IT SERVICES AND RESOURCES

133

8

Fundamentals of IS & Applications

49

3

Business Intelligence Systems

42

3

Enterprise Architecture and Standards

21

1

Digital enabled Innovation and Design Thinking

21

1

### DATA GOVERNANCE, ANALYTICS AND SECURITY

84

7

Data Governance Strategy and value

21

2

Data Governance Design & Implementation

21

2

Data Governance Evaluation and Cyber trust

21

1

Data Governance: Emerging Challenges

21

2

### PROFESSIONAL SKILLS, LEADERSHIP & ETHICS

56

3

Personal Skills & Mindfulness

14

1

Interpersonal Skills & Cultural intelligence

14

1

Global Learning Opportunities

14

0

Ethics and Sustainable Development

14

1

### INTERNATIONAL WEEK

21

2

Module pédagogique

15

0

### CAPSTONE PROJECT – MASTER THESIS

63

5

Applied Research in Organizations

21

2

Thesis Writing Fundamentals

21

1

Thesis Preparation & Defense

21

2

Professional Thesis

Minimum of 5 months

30

### TOTAL ACADEMIC TEACHING

435

60



Digital market has never been so unstable due to more and more demanding users and new disruptive competitors. Business are constantly looking for creative and sustainable solutions to overcome the challenges of digital transformations. Managers need the digital intelligence to make appropriate decisions and embrace new emerging technological trends such as Big Data, IoTs, Artificial Intelligence, Block Chain, in order to capture business value. In this context, the knowledge and competence to effectively and responsibly manage business information system (BIS) including the management of data governance programs is very crucial for the success of every firm in the digital era. Our goal in this program is to empower students to be valuable actors in field of information systems management and to provide them the most sought competences for the 21st century. 99



**Dr. Anuragini Shirish**  
Associate Professor in MIS