



UNIVERSITY  
OF BORÅS

**PACE:**  
100 % full-time studies

**LOCATION:**  
Distance

**CREDITS:**  
60 ECTS credits

**LANGUAGE:**  
English

**APPLY AT:**  
universityadmissions.se  
**NOTE:** portfolio application

**MORE INFORMATION:**  
Follow the QR code to learn  
more about prerequisites,  
tuition fees, course content,  
and more.



# *Informatics – Data-Driven IT Management*

## **MASTER'S PROGRAMME (ONE YEAR)**

Do you want to shape the future of IT? Do you want an exciting and fulfilling career that influences, directs, and supports the global IT industry? If you want the solid educational background that makes this a reality, then our Master's Programme (One Year) in Informatics – Data-Driven IT Management is the programme for you. In this programme, you will develop knowledge to shape the future of IT.

# *Informatics – Data-Driven IT Management*

## **MASTER'S PROGRAMME**

In this Master's programme (One Year) in Informatics, you will develop knowledge to shape the future of IT.

This programme targets motivated students with a Bachelor's degree in computer science, information systems, information technology, software engineering, or a similar subject with at least 60 credits in Informatics.

### **OUR PROGRAMME IN SHORT**

This programme is focused on Data-Driven IT Management, the driving force for the IT of the future. Data-Driven IT Management aims at harvesting the business value of the enormous amount of largely unused data available to companies.

To prepare you for this exciting opportunity, the programme provides courses in Data Mining, Business Intelligence, Business Process Management, Current Trends in Informatics, and Data-Driven Service Development.

### **FULL-TIME AT A DISTANCE**

This programme is given full-time and at a distance. Teaching combines lectures, tutoring and seminars live in Zoom, and other teaching materials published on our virtual learning platforms. Pre-recorded lectures might also be offered in some cases.

Dates and times for lectures and seminars are fixed. Seminars are compulsory. Attendance at lectures is highly recommended but self-study of the supplied material and relevant literature is possible.

Date and times for tutoring, individual or in groups of two, can be adapted to students' needs within the usual business hours 9:00 to 17:00 CET and subject to the availability of the respective teacher.

You will also read course literature, the latest research papers, and work on individual written assignments and group projects.

### **IN ENGLISH**

The programme is taught in English and you will study together with students from all over the world, though predominantly from Europe.





UNIVERSITY  
OF BORÅS

**PACE:**  
100 % full-time studies

**LOCATION:**  
Distance

**CREDITS:**  
120 ECTS credits

**LANGUAGE:**  
English

**APPLY AT:**  
[universityadmissions.se](http://universityadmissions.se)  
**NOTE:** portfolio application

**MORE INFORMATION:**  
Follow the QR code to learn more about prerequisites, tuition fees, course content, and more.



## Information Science: Digital Environments

### MASTER'S PROGRAMME

The master's programme in information science: digital environments offers both a theoretical and a practical approach to information, providing a unique, holistic approach to information in digital environments.

## Information Science: Digital Environments

### MASTER'S PROGRAMME

#### RELEVANT BACKGROUNDS

This programme is suitable for students with a Bachelor's degree in library and information science, information studies, information architecture, archival science, digital humanities, media studies, informatics, systems science or related fields.

#### OUR PROGRAMME IN SHORT

As a student you get to reflect critically on how search engines, platforms and algorithms impact society and individuals, and consider aspects related to ethics, democracy, and sustainability relevant to information in digital environments.

You also learn how to handle different datatypes and media formats, design algorithms and work with the digitalisation of information.

The programme will include courses in for instance, datalogical thinking, research methods, multimodality, open data as an arena for information creation, data strategies for

organisations, information practices in digital environments and critical perspectives on a society steeped in data.

#### FULL-TIME AT A DISTANCE

This programme is given full-time during Swedish business hours, predominantly through distance teaching online. Teaching combines workshops and seminars live in Zoom, and recorded lectures and other teaching materials published on our virtual learning platform. You will also read course literature, including the newest research, and work on individual written assignments and group projects with your fellow students. A few sessions on campus in Borås will be offered throughout the programme, however these are not compulsory. The programme is taught entirely in English, and you will study together with students from all over the world, though predominantly from Europe.



MAGDALENA PAVLOVA

"Don't hesitate, just apply! If information science and digitalisation lie within your interests, this is the programme that can help you gain a better understanding of these topics."



## Overview of Informatics

### Informatics – Data-Driven IT Management

#### Courses

##### Courses, term 1:

- Research Methods in Informatics, 7.5 ECTS credits
- Trends in Informatics, 7.5 ECTS credits
- Business Intelligence, 7.5 ECTS credits
- Business Process Modelling, 7.5 ECTS credits

##### Courses, term 2:

- Data Mining, 7.5 ECTS credits
- Introduction to Data Driven Service Development, 7.5 ECTS credits
- Thesis for Master's (one year) Degree in Informatics, 15 ECTS credits

## Overview of Information Science

### Information Science: Digital Environments

#### Courses

##### Courses, term 1:

- Introduction to information science, 7.5 ECTS credits
- Datalogical thinking, 7.5 ECTS credits
- Research methods, 15 ECTS credits

##### Courses, term 2:

- Multimodality: Narrative and context in different media formats, 15 ECTS credits
- Open Data as an arena for information making – issues and opportunities, 15 ECTS credits

##### Courses, term 3:

- Critical perspectives on the datafied society, 7.5 ECTS credits
- Data strategies for organisations, 15 ECTS credits
- Users, information and digital environments, 7.5 ECTS credits

##### Courses, term 4:

- Master's thesis course, 30 ECTS credits

### Informatics – Data-Driven IT Management

#### Prerequisites

A Bachelor's degree, 180 ECTS credits, with a major in one of the following subjects:

- Informatics
- Business Administration
- Computer Science
- Systems Science
- Computer Technology
- Industrial Engineering and Management
- A scientific Bachelor's thesis of at least 15 ECTS credits and a course on Research Methods of at least 7.5 ECTS credits
- English 6 is required.

#### Career opportunities

Experts in Data-Driven IT Management are in high demand and the number of available experts is still very low.

This programme therefore provides excellent opportunities to get access to top-level jobs such as IT consultant, Head of IT, IT Project Manager, Business Analyst, System Developer, Data Analyst, Data Scientist and so on.

### Information Science: Digital Environments

#### Prerequisites

Bachelor's degree in information science 180 ECTS credits.

- English 6 is required.

#### Career opportunities

The degree prepares you for professional roles where you work with information in a changing time, for instance in jobs where you mediate and curate information feeds, as well as collect, manage, analyse, and make data accessible.

The skills gained from the programme also enable you to act as a translator between different actors and stakeholders at, for example, companies, governmental agencies, or cultural heritage institutions. In the role of mediator, you can bridge communication gaps between different professions and enable collaboration. You translate technical jargon and complex ideas into language accessible/understandable to everyone involved.

The programme also prepares you for a future career in academia, for instance if you wish to pursue a doctorate in library and information science or related fields or become a university lecturer.

#### How to apply

##### Step 1:

Complete the formal application on the national website: [www.universityadmissions.se](http://www.universityadmissions.se)

Read more about the application and admission process:

