

## Admission exam

### Admission procedure for the Master's degree programme in Information Systems Management

The admission examination takes the form of **an online oral examination**.

Only applicants who have completed their application for the Information Systems Management master's degree programme in full will be eligible to take the examination.

The examination board consists of **two members**.

The examination will last approximately 10 minutes and will be structured as follows:

- The applicant introduces themselves and their identity is verified.
- Questions from the examination board aimed at:
  - verifying the information provided in the applicant's CV;
  - assessing the applicant's knowledge of the specified preparation materials and study areas.
- Verification of the applicant's English language proficiency.

### EXAMINATION DATES

Once the application deadline for each admission round has passed, the faculty will assign applicants a date and time for their admission examination. Applicants cannot request a change to the assigned date or time.

The admission examinations will be held on the following dates:

- **Application Round I: 8-12 March 2027**
- **Application Round II: 10-14 May 2027**

### STUDY AREAS

- Basic concepts of computer processing (functional units, functions, units of measure)
- Basic knowledge of information system components and their important attributes (hardware, software, data, network, people)
- Principles of data analytics and applied data science (data processing, exploratory data analysis, data visualization, extracting business value)
- Basics of data governance (data architecture, data modelling, data storage and operations, databases, data security, data integration, data warehousing, business intelligence)
- Basics of enterprise management (functional areas, processes, organizational structures, regulations)
- Core categories of enterprise software applications (ERP, CRM, BI, ECM, SCM, BPM)
- Different models of IT service delivery (outsourcing, IaaS, PaaS, SaaS)
- System development lifecycle management



## MATERIALS FOR PREPARATION

### For both ISM specialisations

[White Papers 2024 Using DTEF to Achieve Trustworthy AI](#)

[White Papers 2025 Resilience and Security in Critical Sectors Navigating NIS2 and DORA Requirements](#)

Balanced Scorecard (BSC): What It Is, Examples, and Uses

<https://www.investopedia.com/terms/b/balancedscorecard.asp>

What is Enterprise Architecture? Definition, Frameworks, Best Practices

<https://www.boc-group.com/en/blog/ea/enterprise-architecture/>

Process Modeling: How to Improve Your Workflow

<https://www.salesforce.com/agentforce/process-modeling/>

### For the ISM specialisation Management of Business Informatics

Global Perspectives & Insights: Three Lines Model

<https://internalauditor.theiia.org/en/articles/2021/december/global-perspectives-and-insights-Three-lines-model-and-compliance/>

IT budget basics: Best practices for 2026

<https://ramp.com/blog/it-budgeting-best-practices>

Human Risk Management: A Practical Approach

<https://www.isaca.org/resources/isaca-journal/issues/2024/volume-5/human-risk-management-a-practical-approach>

### For the ISM specialisation Data & Business

SARKER, Iqbal H. Data science and analytics: an overview from data-driven smart computing, decision-making and applications perspective. SN computer science, 2021, 2.5: 377.

[https://pmc.ncbi.nlm.nih.gov/articles/PMC8274472/pdf/42979\\_2021\\_Article\\_765.pdf](https://pmc.ncbi.nlm.nih.gov/articles/PMC8274472/pdf/42979_2021_Article_765.pdf)

SHAO, Hongbo, et al. Data storytelling in data visualisation: Does it enhance the efficiency and effectiveness of information retrieval and insights comprehension?. In: Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems. 2024. p. 1-21. <https://dl.acm.org/doi/pdf/10.1145/3613904.3643022>.

Leek, J. (2015). The elements of data analytic style. Leanpub: Victoria, BC, Canada, 93.

<https://mth231.wordpress.com/wp-content/uploads/2018/08/the-elements-of-data-analytic-style.pdf>

