



PROSPECTIVE STUDENT CATALOGUE

What is MIS?

Management Information Systems is an interdisciplinary field at the intersection of computer science, management science, and information technology.

TOBB ETÜ MIS introduces you to real business problems from the very beginning; it prepares versatile professionals who bridge management and technology.

FOUR CORE COMPETENCY AREAS

01 **Software, Systems & Technology**

Programming · Databases · Information Security · Web · Systems Analysis

02 **Business & Management**

Business Management · Marketing · Organizational Behavior · Entrepreneurship · Leadership

03 **Data-Driven Decision-Making & Analytics**

Statistics · AI and Data Analytics · Decision Support Systems

04 **Future Skills & Sustainability**

European Green Deal · Information Law and Ethics · Human-Computer Interaction

CLASSROOMS



Why TOBB ETÜ MIS?

4 YEARS

11 academic terms

3 TERMS

full-time industry experience

30%

instruction in English

PROGRAM INFORMATION

Faculty	Faculty of Economics and Administrative Sciences
Language of Instruction	70% Turkish · 30% English
Mode of Study	On-campus
Cooperative Education	3 Terms (OEG 200 · 300 · 400)
Second Foreign Language	Compulsory from the 5th term (4 terms)

VISION

To become a driving force in digital transformation and educate data-driven, ethical leaders.

MISSION

To educate professionals who stand out through a strong technical foundation, business perspective, and analytical thinking.

3

TERMS FULL-TIME IN INDUSTRY

Gain real work experience before graduation - paid, insured, and part of the curriculum.

Cooperative Education is TOBB ETÜ's distinctive model built on university-industry collaboration. Three of the 11 terms are spent working at companies.

THE 11-TERM JOURNEY



Orange terms: full-time industry experience (OEG 200 · 300 · 400)





LIBRARY

04 · UNDERGRADUATE CURRICULUM

Years 1-2

1st TERM · FALL

ING 001 English I
MAT 103 General Mathematics I
TÜR 101 Turkish Language I
HUK 115 Introduction to Law
OEG 101 Introduction to Cooperative Education
İŞL 113 Introduction to Business Management
BİL 113 Computer Programming I

2nd TERM · SPRING

ING 002 English II
MAT 104 General Mathematics II
TÜR 102 Turkish Language II
İKT 105 Introduction to Economics
YBS 101 Introduction to Information Technologies
BİL 211 Computer Programming II

3rd TERM · SUMMER

ING 003 English Writing Skills
YAP 191 Critical Thinking
AİT 201 Atatürk's Principles and History of Turkish Revolution I
İŞL 233 Principles of Marketing
İKT 253 Statistics
YBS 202 Database Management

4th TERM · FALL

İNG 004 English for Professional Life
AİT 202 Atatürk's Principles and History of Turkish Revolution II
YBS 203 Business Process Analysis
İŞL 216 Organizational Behavior
YBS 204 Human-Computer Interaction
BİL 214 Systems Programming

5th TERM · SPRING

İYD 1 Second Foreign Language I
UGİ 315 Entrepreneurship and Leadership
YBS 306 Information Security
YBS 307 Research Methods
YBS 308 Production and Operations Management
YAP 192 History of Science

6th TERM · SUMMER

OEG 200 - Cooperative Education I

Full-time industry experience



COMMON AREAS

Years 3-4

7th TERM • FALL

İYD 2 Second Foreign Language II
YBS 309 Systems Analysis and Design
YBS 310 AI and Data Analytics in Business
UGİ 328 AI and Comparative Economic Analysis
SEÇ Elective Course

8th TERM • SPRING

OEG 300 - Cooperative Education II
Full-time industry experience

9th TERM • SUMMER

İYD 3 Second Foreign Language III
YBS 411 Web Design
YBS 412 European Green Deal
YBS 413 Decision Support Systems
SEÇ x2 Elective Courses

10th TERM • FALL

OEG 400 - Cooperative Education III
Full-time industry experience

11th TERM • SPRING

İYD 4 Second Foreign Language IV
YBS 414 Information Law and Ethics
SEÇ x3 Elective Courses

SPECIALIZE IN YOUR FINAL YEAR

Use your 6 elective courses to focus on one of 5 specialization modules.

Modules: next page

Electives may be selected from university, faculty, or departmental offerings.

5 Modules, Your Path

Build expertise by concentrating your electives in one module.

1

DATA SCIENCE & ARTIFICIAL INTELLIGENCE

Large Language Models · AI Applications · Econometrics · Advanced Forecasting · Decision Support · Social Network Analysis · Social Media Analytics

2

SOFTWARE & TECHNOLOGY INFRASTRUCTURES

Advanced Object-Oriented Programming · Cloud Computing · Blockchain · Internet of Things (IoT) · Robotic Process Automation · UX/UI

3

DIGITAL TRANSFORMATION, PRODUCT & INNOVATION

ERP · Digital Product Management · Digital Marketing and CRM · E-Commerce · Platform Business Models · Health Informatics · Generative AI and Business Transformation

4

FINANCIAL TECHNOLOGIES (FINTECH)

FinTech · Cryptocurrency and Blockchain · Financial Data Analytics · Capital Markets · Behavioral Finance · Digital Risk Management

5

OPTIMIZATION & SUSTAINABILITY

Advanced Optimization · Agent-Based Modeling · Digital Twin · Sustainable Supply Chain · ESG Data Analytics · Smart Cities



RESIDENCE HALLS

Department Faculty

Faculty with degrees from leading universities worldwide and industry experience.



DEPARTMENT CHAIR

Assoc. Prof. Dr. Melike Meterelliyoz

PhD: Georgia Institute of Technology (USA)

Research: Data Analytics and Business Intelligence · Decision Theory · Supply Chain · ERP Design · Dynamic Pricing

Experience: Revenue Analytics (USA) · Georgia Tech

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VICE DEAN

Asst. Prof. Dr. Meltem Türe

PhD: Bilkent University - Business Administration (Marketing)

Research: Consumer Culture · Ethical Consumption and Marketing · Sustainability · Qualitative Research Methods

Experience: SKEMA (France) · Royal Holloway (United Kingdom)

mture@etu.edu.tr · Office 250





Asst. Prof. Dr. Tuğrul Gürgür

PhD: University of Maryland (USA) - Economics

Research: Time Series · Applied Macroeconomics · Forecasting

Experience: World Bank · Economist, Director, and Director General at CBRT

tgurgur@etu.edu.tr · Office 236



Asst. Prof. Dr. Umut Y. Çetinkaya

PhD: METU - Science and Technology Policy Studies

Research: Social Network Analysis · Innovation Systems · Twin Transition

Experience: Turkish Grand National Assembly · TÜBİTAK-ULAKBİM · Deputy Director, TOBB ETÜ TTO

uycetinkaya@etu.edu.tr · Office 244



Research Assistant Tunahan Tayar

PhD: Bilkent - Finance (in progress)

Research: Sustainable Finance · Investor Behavior

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Career Opportunities

An MIS graduate combines technology and management, with strong data literacy and systems thinking.

KEY POSITIONS

Business Analyst

Analyzes business processes and bridges management and technical teams.

Data Analytics Specialist

Transforms large datasets into meaningful business insights.

Systems Analyst

Designs information systems, conducts requirements analysis, and proposes solutions.

Business Intelligence (BI) Specialist

Manages corporate data infrastructure; develops dashboards and reports.

IT Project Manager

Plans technology projects and coordinates stakeholders.

ERP Consultant

Implements and customizes systems such as SAP, Oracle, and Microsoft.

Digital Transformation Specialist

Strategically manages organizations' digital transformation processes.

Cybersecurity Analyst

Protects corporate information systems and develops measures against threats.

SECTORS

Information Technology and Software · Banking, Finance and FinTech · E-Commerce and Digital Marketing Consulting (ERP, Digital Transformation, Management) · Public Institutions and Government IT Projects
IT Units in Manufacturing and Logistics · Health Technologies · Educational Technologies (EdTech)



STUDY AREA

Erasmus+ and Double Major

Spend a term in Europe, earn a second degree -
your curriculum will not hold you back.

01 ERASMUS+

Opportunity to study and/or complete an internship at European universities.
Available as part of Cooperative Education or an academic term.

02 DOUBLE MAJOR

Students who meet the academic requirements may study in a second department
and earn a second degree.

03 MINOR

Complete a certificate program by taking courses in another field -
with more flexible requirements.

DOUBLE MAJOR AND MINOR REQUIREMENTS

	Double Major	Minor
Application window	Start of terms 3-5	Start of terms 3-6
Min. GPA	3.30	3.00
Additional requirement	Top 20% of class	-
Outcome	Second degree	Certificate

Excluded departments: Faculty of Medicine and International Entrepreneurship.

Research Priorities

The department's research focus is organized around four key areas - connecting what you learn in class with real research.

A

ENTERPRISE INFORMATION SYSTEMS

ERP systems and business process management - the digital backbone of organizations.

B

DATA ANALYTICS & ARTIFICIAL INTELLIGENCE

AI applications and decision support systems - turning data into strategic value.

C

DIGITAL PLATFORMS & INNOVATION

Research on entrepreneurial ecosystems and the platform economy.

D

DATA GOVERNANCE, CYBER RISK & ETHICS

Digital regulation and ethics - for a trustworthy digital future.



CAMPUS

International Partnerships

Become familiar with global industry standards while still a student.



CFA University Affiliation Program

One of the world's most prestigious finance credentials.

Exam scholarships are provided to 3 students.



SAP University Alliances Program

SAP, the market-leading ERP system, has been taught at the university

for more than 10 years.



LSEG Workspace (Refinitiv Eikon) Partnership

Hands-on training with professional terminals alongside finance courses

+ certification.



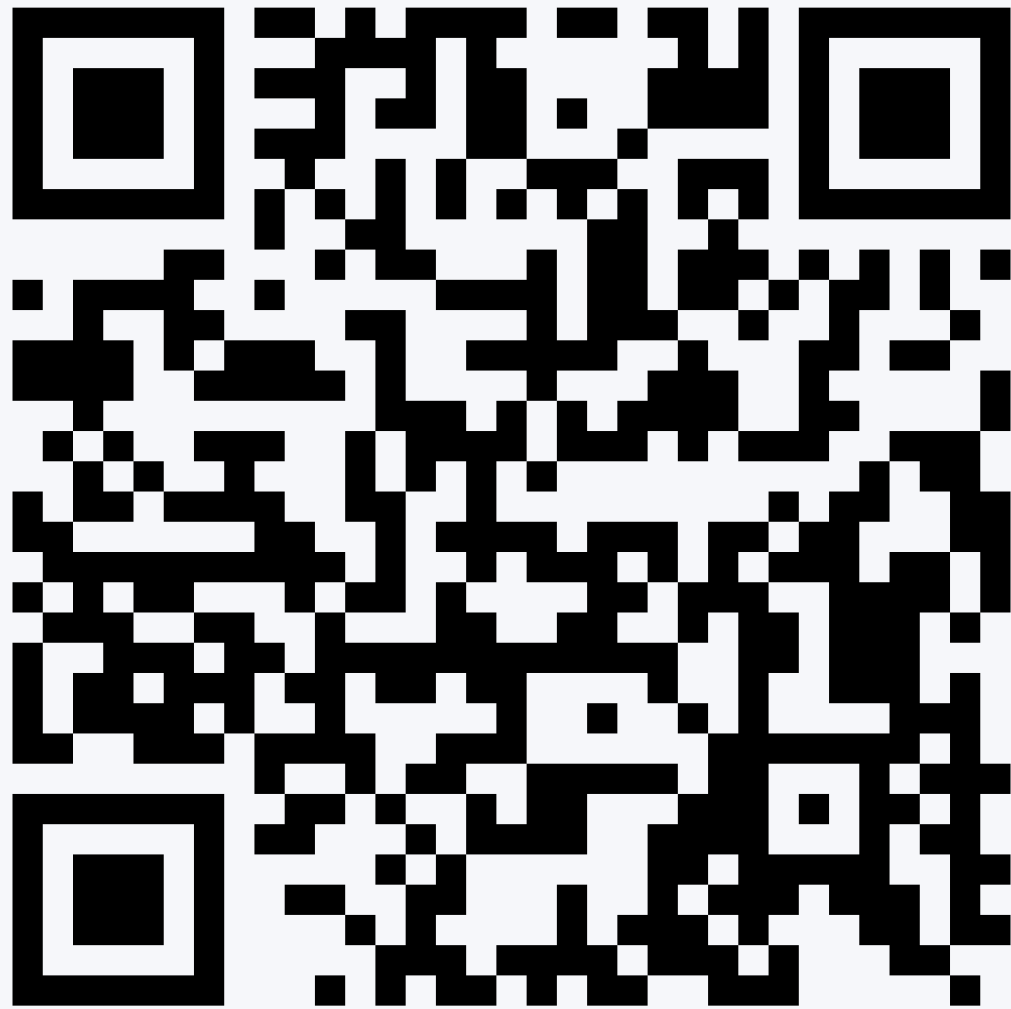
TOBB ETÜ
TEKNOLOJİ MERKEZİ

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TECHNOLOGY CENTER

FUTURE DIGITAL LEADERS AT TOBB ETÜ!

Scan the QR code to access
our department page and
social media accounts
in one place.



Scan with your phone's camera.

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