ISTANBUL UNIVERSITY
FACULTY OF ECONOMICS
DEPARTMENT OF MANAGEMENT INFORMATION SYSTEMS

MIS MODULES: YOUR CAREER PATH

What is MIS Modules?



MIS Modules have been created to help our students guide their careers throughout their 4-year education life.



The modules include the elective courses they will take in addition to the compulsory courses every semester starting from the 2nd year.

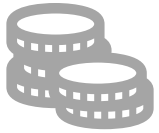


Students can choose within the framework of 5 basic modules created according to their interests and career goals.

MIS Modules: Your Career Path



Management



Finance & Economy



Software Development

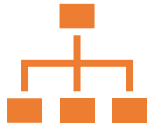


Database Management



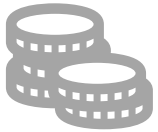
Artificial Intelligence & Data Science

MIS Modules - Detailed



Management

- Principles of Marketing
- Cybersecurity
- Game Theory and Strategy
- Information and Internet Law
- Entrepreneurship
- Business Intelligence
- Customer Relationship Management
- Supply Chain Management
- Human Resource Management
- Social Media Management and Analytics
- Digital Transformation



Finance & Economy

- Game Theory and Strategy
- Entrepreneurship
- Public Finance
- International Trade and Finance
- Turkish Economy
- Financial Management and Investment
- Labour Economics
- Behavioral Finance
- Engineering Economy



Software Development

- Development Environments
- Information and Internet Law
- Mobile Application Development
- Blockchain Programming
- Parallel and Distributed Programming
- Visual Programming



Database Management

- Cybersecurity
- Information and Internet Law
- Business Intelligence
- Data Visualization for Business Analytics
- Advanced Database Programming



Artificial Intelligence & Data Science

- Business Intelligence
- Simulation, Modeling, and Optimization
- Artificial Neural Networks
- Data Visualization for Business Analytics
- Deep Learning
- Parallel and Distributed Programming
- Web Mining and Text Mining

FIRST YEAR

- Since most of the courses are compulsory in the first year, **MIS Modules start from the 2nd YEAR**.

First Term (FALL)					
Compulsory/ Elective	Course Name	T	U	UK	ECTS
C	Introduction to Economics I	4	0	4	4
C	Algorithmic Thinking and Design	3	0	3	5
C	Introduction to Information Technologies	3	0	3	4
C	Introduction to Business	3	0	3	4
C	Mathematics I	3	0	3	4
C	Ataturk's Principles and History of Turkish Revolution I	2	0	2	2
C	Türk Dili I*	2	0	2	2
C	Foreign Language (English) I	2	0	2	2
CE	Beden Egitimi I	1	0	1	1
CE	Fine Arts I	1	0	1	1
E	Ataturk's Principles and History of Turkish Revolution for Foreign Students I	2	0	2	2
E	Turkish Language for Foreign Students I	2	0	2	2
E	Philosophy of Science	2	0	2	2
	Total	25	0	25	30

Second Term (SPRING)					
Compulsory/ Elective	Course Name	T	U	UK	ECTS
C	Introduction to Economics II	4	0	4	4
C	Structured Programming	3	2	4	5
C	Management and Digital Communication	3	0	3	4
C	Data Structures and Management	3	0	3	4
C	Business Mathematics	3	0	3	4
C	Ataturk's Principles and History of Turkish Revolution II	2	0	2	2
C	Turkish Language II	2	0	2	2
C	Foreign Language (English) II	2	0	2	2
CE	Beden Egitimi II	1	0	1	1
CE	Fine Arts II	1	0	1	1
E	Ataturk's Principles and History of Turkish Revolution for Foreign Students II	2	0	2	2
E	Turkish Language for Foreign Students II	2	0	2	2
E	Career Planning	2	0	2	2
	Total	25	0	26	30

2nd YEAR, FALL

+ **Volunteering Studies** can be included in each module.

Third Term (FALL)					
Compulsory/ Elective	Course Name	T	U	UK	ECTS
C	Intermediate Microeconomics	3	0	3	4
C	Statistics I	3	0	3	5
C	System Analysis and Design	3	0	3	5
C	Fundamentals of Law	3	0	3	5
C	Scientific Research Methods and Ethics I	2	0	2	3
E	Principles of Marketing	3	0	3	4
E	Cybersecurity	3	0	3	4
E	Development Environments	3	0	3	4
E	Volunteering Studies	1	2	2	4
	Total	20	0	20	30

Management

- Principles of Marketing
- Cybersecurity

Finance & Economy

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Software Development

- Development Environments

Database Management

- Cybersecurity

Artificial Intelligence & Data Science

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2nd YEAR, SPRING

+ **Scientific Research Methods and Ethics II** can be included in each module.

Fourth Term (SPRING)					
Compulsory/ Elective	Course Name	T	U	UK	ECTS
C	Intermediate Macroeconomics	3	0	3	4
C	Statistics II	3	0	3	4
C	Object Oriented Programming	3	0	3	5
C	Web Design	3	0	3	5
C	Database Design and Management	3	0	3	4
E	Game Theory and Strategy	3	0	3	4
E	Scientific Research Methods and Ethics II	3	0	3	4
E	Information and Internet Law	3	0	3	4
E	Entrepreneurship	3	0	3	4
E	Public Finance	3	0	3	4
	Total	21	0	21	30

Management

- Game Theory and Strategy
- Information and Internet Law
- Entrepreneurship

Finance & Economy

- Game Theory and Strategy
- Entrepreneurship
- Public Finance

Software Development

- Information and Internet Law

Database Management

- Information and Internet Law

Artificial Intelligence & Data Science

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3rd YEAR, FALL

Fifth Term (FALL)					
Compulsory/ Elective	Course Name	T	U	UK	ECTS
C	Web Programming	3	0	3	5
C	Programming for Data Science	3	0	3	4
C	Accounting	3	0	3	5
C	E-Commerce Design and Applications	3	0	3	4
E	Business Intelligence	3	0	3	4
E	Customer Relationship Management	3	0	3	4
E	International Trade and Finance	3	0	3	4
E	Mobile Application Development	3	0	3	4
E	Simulation, Modeling, and Optimization	3	0	3	4
E	Turkish Economy	3	0	3	4
	Total	21	0	21	30

Management

- Business Intelligence
- Customer Relationship Management

Finance & Economy

- International Trade and Finance
- Turkish Economy

Software Development

- Mobile Application Development

Database Management

- Business Intelligence

Artificial Intelligence & Data Science

- Business Intelligence
- Simulation, Modeling, and Optimization

3rd YEAR, SPRING

Sixth Term (SPRING)					
Compulsory/ Elective	Course Name	T	U	UK	ECTS
C	Statistical Programming	3	0	3	5
C	Artificial Intelligence and Machine Learning	3	0	3	4
C	Management and Cost Accounting	3	0	3	5
C	Project Management	3	0	3	4
E	Supply Chain Management	3	0	3	4
E	Artificial Neural Networks	3	0	3	4
E	Blockchain Programming	3	0	3	4
E	Data Visualization for Business Analytics	3	0	3	4
E	Financial Management and Investment	3	0	3	4
E	Labour Economics	3	0	3	4
	Total	21	0	21	30

Management

- Supply Chain Management

Finance & Economy

- Financial Management and Investment
- Labour Economics

Software Development

- Blockchain Programming

Database Management

- Data Visualization for Business Analytics

Artificial Intelligence & Data Science

- Artificial Neural Networks
- Data Visualization for Business Analytics

4th YEAR, FALL

Seventh Term (FALL)					
Compulsory/ Elective	Course Name	T	U	UK	ECTS
C	Best Practices in MIS	3	0	3	3
C	Software Quality and Testing	3	0	3	5
C	Graduation Project I	2	0	2	7
E	Deep Learning	3	0	3	5
E	Advanced Database Programming	3	0	3	5
E	Behavioral Finance	3	0	3	5
E	Parallel and Distributed Programming	3	0	3	5
E	Human Resource Management	3	0	3	5
	Total	17	0	17	30

Management

- Human Resource Management

Finance & Economy

- Behavioral Finance

Software Development

- Parallel and Distributed Programming

Database Management

- Advanced Database Programming

Artificial Intelligence & Data Science

- Deep Learning
- Parallel and Distributed Programming

4th YEAR, SPRING

Eighth Term (SPRING)					
Compulsory/ Elective	Course Name	T	U	UK	ECTS
C	Human-Computer Interaction	3	0	3	4
C	Enterprise Resource Planning	3	0	3	4
C	Graduation Project II	2	0	2	7
E	Engineering Economy	3	0	3	5
E	Visual Programming	3	0	3	5
E	Digital Transformation	3	0	3	5
E	Web Mining and Text Mining	3	0	3	5
E	Social Media Management and Analytics	3	0	3	5
	Total	17	0	17	30

Management

- Social Media Management and Analytics
- Digital Transformation

Finance & Economy

- Engineering Economy

Software Development

- Visual Programming

Database Management

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Artificial Intelligence & Data Science

- Web Mining and Text Mining



Please do not hesitate to send all your questions to our official e-mail address.

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