



OSTİM TECHNICAL  
UNIVERSITY  
A N K A R A

# Management Information Systems

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Language: Turkish / English

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Education Type: Formal

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Duration: 4 Years

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Location: Yenimahalle/Ankara

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# OSTİM ECOSYSTEM



Since 1967, OSTiM has been in existence, hosting 17 main sectors, 139 business sectors, more than 6,500 enterprises and more than 65,000 employees, and crowns its experience with the university.



# About Management Information Systems

Management Information Systems (MIS) is a discipline that combines management and information systems. It integrates people, technology and information systems to meet the needs of industry and the market. MIS covers a range of areas including system design, supply management, administrative activities and technical informatics such as network and database management.

Graduates of OSTİM Technical University MIS Department have knowledge and skills in the field of management and informatics and can respond to the needs of different sectors. The department helps students to improve their management knowledge by offering applied courses such as workplace practices and entrepreneurship projects. OSTİM MIS department has a focussed strategy to meet the different requirements of various sectors.





# Management Information Systems Academic Staff



**Assoc. Prof. Hakan EREN**  
(Department Head)



**Dr. Esra KUMAŞ**  
Turkish Programme Head



**Dr. Melike AKTAŞ BOZKURT**  
English Programme Head



**Prof. Dr. Ufuk TÜREN**  
Vice Dean



**Assoc. Prof. Rıza BAYRAK**



**Assoc. Prof. Öcal  
FİDANBOY**



**Dr. Egehan ÖZKAN  
ALAKAŞ**



**Dr. Zehra FIRAT**



**Dr. Mustafa DEĞERLİ**



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**Dr. Ozan GÜLHAN**



**Research Assistant  
Ali UÇUCU**



**Research Assistant  
Batuhan CİCİKLER**



**Research Assistant  
Serdar ÇELİK**



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Department of Business Administration  
Faculty Member



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Gtech  
Assistant General Manager



**İrfan KESKİN**  
National Technology General Directorate  
Deputy General Manager





## Career Paths

Our curriculum has been meticulously designed to align with the specific requirements of industry. This design is based on a scientific project carried out by our department's researchers who comprehensively reviewed the content of other MIS programmes and compared them with current industrial needs. In this process, three different competency pathways were identified within the MIS programme.





## Core Computer Competence

Core computer competencies for Management Information Systems students include Software Development, Database Management, Network Expertise, System and Network Management. These competences enable MIS students to play an active role in solving technological problems and making strategic decisions in the business world.



## Technical System Competence

The technical systems competency for Management Information Systems (MIS) students covers roles such as ERP Specialist, Systems Analyst/Administrator, Cyber Security Specialist, CRM Specialist, Technical Project Manager, Technical Project Specialist, Software Tester and Business Intelligence Analyst. These competencies enable students to gain knowledge in a variety of technical specialisations and open up a wide range of opportunities in their careers.



## Managerial / Social Competence

Managerial and social competences for Management Information Systems (MIS) students cover roles such as Professional Project Manager (PMP), Project Specialist, Process Manager, Information Security Specialist/Manager, Business Development and Project Manager, Product Manager and Business Analyst. These competences enable students to gain skills in areas such as leadership, strategic planning, process management, business development and security management and to be successful in their careers.





## Table of Job Opportunities and Career Paths for MIS Students

| Career Paths                   | Possible Job Opportunities  | Certificates Required by the Sector   |
|--------------------------------|---|---|
| Core Computer Competence       | <ul style="list-style-type: none"> <li>• Software Specialist</li> <li>• Database Specialist</li> <li>• Network Expert</li> <li>• System and Network Administrator</li> </ul>  | <ul style="list-style-type: none"> <li>• Programming Languages: Java, .NET, C#, Python etc.)</li> <li>• CISCO</li> <li>• Oracle</li> <li>• Microsoft Sertifikaları</li> </ul>   |
| Technical System Competence    | <ul style="list-style-type: none"> <li>• ERP Specialist</li> <li>• System Analyst / Administrator</li> <li>• Cyber Security Specialist</li> <li>• CRM Specialist</li> <li>• Technical Project Manager</li> <li>• Technical Project Specialist</li> <li>• Software Test Specialist</li> <li>• Business Intelligence Analyst</li> </ul> | <ul style="list-style-type: none"> <li>• PMP</li> <li>• ITIL</li> <li>• CMMI</li> <li>• COBIT</li> <li>• SCRUM</li> <li>• Agile</li> <li>• ISO12207</li> <li>• SAP</li> <li>• Microsoft Dynamics MS Project</li> <li>• Asana</li> </ul> |
| Managerial / Social Competence | <ul style="list-style-type: none"> <li>• Professional Project Manager</li> <li>• (PMP) Project Specialist</li> <li>• Process Manager</li> <li>• Information Security Expert/Manager</li> <li>• Business Development and Project Manager</li> <li>• Product Manager</li> <li>• Business Analyst</li> </ul>                             | <p>PMP, CMMI, SCRUM, ISO 9001 ISO 27001 ISO/IEC 12207 SPICE-ISO/ IEC 15504 CISA, CRISC, CISM, CGEIT CDPSE</p>   |







# Management Information Systems

## First Year

Fall

Spring

Management and  
Organization  
BUS 201

Economics  
ECON 100

Management  
Information  
Systems  
MIS 131

Contemporary  
Management  
Techniques  
MIS 213

Mathematics I  
MATH 103

Mathematics II  
MATH 104

Fundamentals of  
Computer and  
Programming  
MIS 111

Fundamentals of  
Computer and  
Programming II  
MIS 114

Introduction to  
Psychology  
PSI 101

Academic English I  
ENG 101

Academic English II  
ENG 102

Introduction to  
University Life  
IUL 151

Building the Future  
IUL 152

Fundamentals of  
Entrepreneurship  
EPR 121

Entrepreneurship  
Project  
EPR 122

Occupational health  
and Safety  
EHS 101

Workplace  
Education  
WED 124

## Second Year

Fall

Spring

General Accounting  
BUS 200

Strategic  
Management and  
Business Policy  
MIS 359

Marketing Principles  
PAZ 100

Systems Analysis and  
Design  
MIS 307

Statistics I  
MIS 215

Statistics II  
MIS 216

Logistics and Supply  
Chain Management  
MIS 251

Introduction to  
Database Systems  
MIS 202

Data Structures and  
Algorithms  
MIS 231

Information Security  
MIS 214

Turkish I  
TUR 101

Turkish II  
TUR 102

Ataturk's Principles  
and History of  
Revolution I  
ATA 101

Ataturk's Principles  
and History of  
Revolution II  
ATA 102

Entrepreneurship and  
Social Impact I  
EPR 222

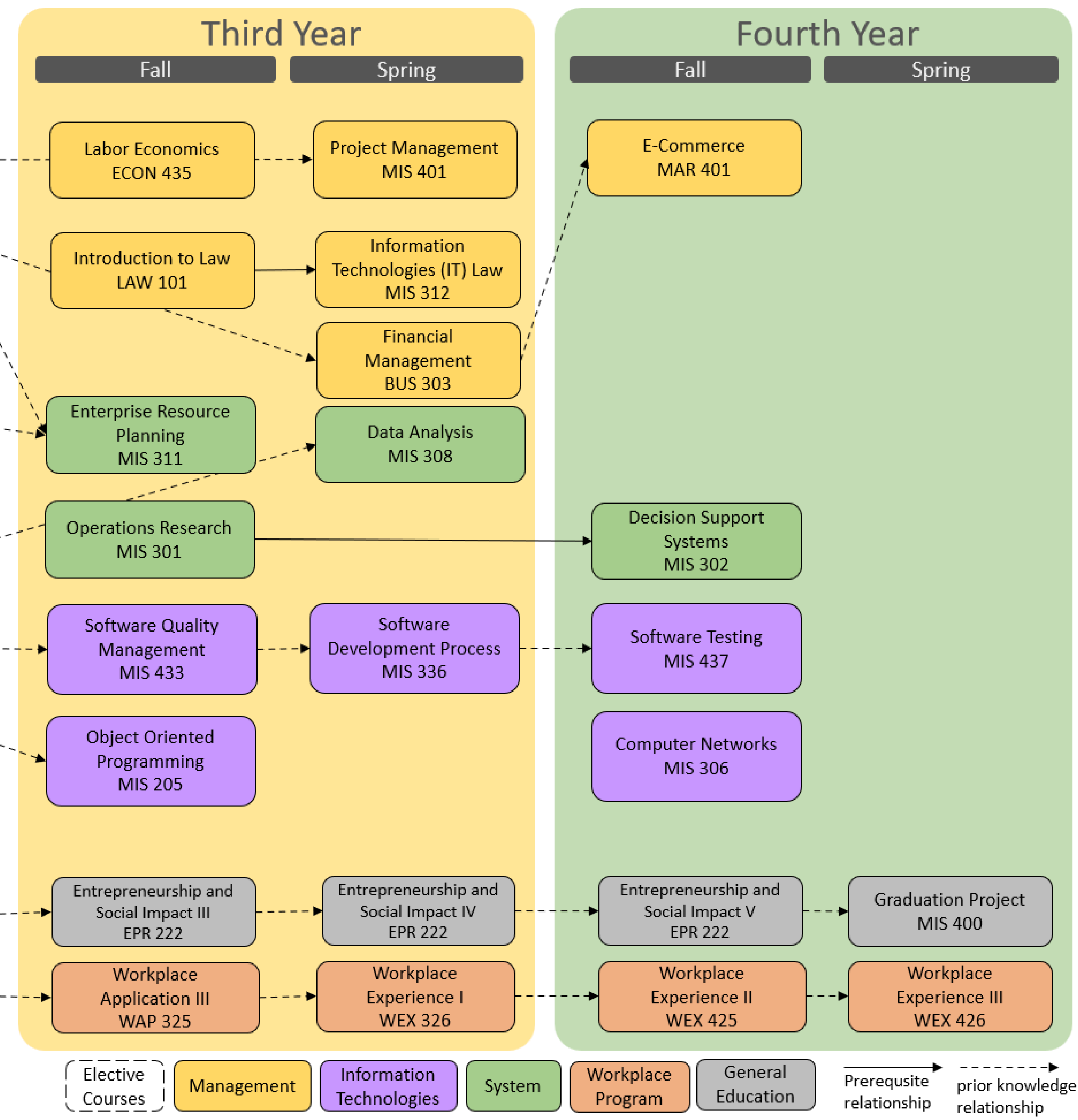
Entrepreneurship and  
Social Impact II  
EPR 222

Workplace  
Application I  
WAP 225

Workplace  
Application II  
WAP 226



# Flowchart





## Students' Opinions



After the start of the academic year, I realised that studying at OSTİM Technical University was one of the biggest opportunities I had. OSTİM Technical University is an institution that brings a new understanding to the concept of university in every field with its academicians who run to every problem and do not look at the student from a high level, and its management staff who continue their work by putting the student at the forefront and are always accessible. Especially while the department I studied has recently shown its value and meaning to the whole market, I saw that OSTİM Technical University is the only university where I can get this education with applications and by doing an internship during the semester within the scope of workplace experience from the 1st grade. Thanks to the internship opportunities provided to us, I realise what a right choice I made when I think that I will graduate with a 4-year experience by gaining experience from the 1st grade. I am really happy to be a part of this family.

**Sıla Başak Atila**



First of all, I would like to explain why I prefer OSTİM Technical University. OSTİM Technical University is a university that is intertwined with the industrial sector and provides the opportunity to easily present the projects you can realise in your student life to investors. It offers the opportunity for workplace experience during your education process and mediates many training and certificate programmes. In addition, our university follows modern technological developments and provides education in this direction. One of the most beautiful features of the Management Information Systems department is the opportunity to easily share information with academicians and discuss topics. Thanks to the competent knowledge of our academicians, we can learn how and where the information we learnt in the course should be used in business life.

**Arda Gölge**



I especially enjoy the internship opportunities offered by the Management Information Systems (MIS) department because these internships provide valuable experience and the opportunity to apply the knowledge we have learnt in the real world. Internship programmes help us understand the dynamics of the business world and improve our professional skills. In addition, the university environment is very favourable for learning. While we take our courses under the guidance of knowledgeable and experienced professors, we can also benefit from abundant resources such as libraries and laboratories. Thanks to this comprehensive education and supportive environment provided by our university, I am fully satisfied with my journey in the MIS department and look to the future with confidence.

**Maxime Steve Poutche**



I am a second year Management Information Systems (MIS) student and I am extremely satisfied with the education system of our department. The curriculum has enabled me to understand the world of informatics not only from a technological, but also from a managerial and economic perspective. This makes it possible for us to progress in a variety of fields, unlike the career options that engineering departments can limit. I am also very pleased that the staff and academics in the department work regularly, listen to student suggestions and treat us with respect. Choosing OSTİM Technical University can create new opportunities thanks to the workplace training option, because it is of great importance to gain practical experience in the business world during the education process.



**Sajjad Fallahi Joybari**



As a student of management information systems, I feel privileged at Ostim Technical University. The academic staff of our school is student-friendly and has an approach towards teaching. Thanks to the internship opportunities offered by Ostim Technical University, we have the opportunity to gain experience in business life. We have the opportunity to meet many entrepreneurs and investors through workplace training courses and project courses. Our school is ready to provide all kinds of support for our projects. As a management information systems student, we learn to take the right steps to transform an idea into the future.

**Deniz Doğa Şirinoğlu**

I am a third year Management Information Systems student and I am also doing a double major in Industrial Engineering. Among the prominent features of Ostim Technical University are the internship opportunities it provides due to its ecosystem and the interest shown by the academic staff to the students. Our university aims to raise an entrepreneurial human model by providing us with the opportunity to participate in various projects and creates an opportunity for every young person who wants to start their own business. Students who take advantage of this opportunity take an important step for their future. Ostim Technical University is a university that significantly supports this process with its academicians.

**Aybüke Lena Karakütük**









# OSTIMTECH

The World Awaits You!







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