

NEAR EAST UNIVERSITY

FACULTY OF ECONOMICS AND ADMINISTRATIVE
SCIENCES

BSc PROGRAM in MANAGEMENT INFORMATION
SYSTEMS

COURSE CATALOGUE

2021-22 FALL

➤ **QUALIFICATION AWARDED**

The students who successfully complete the program are awarded the degree of Bachelor of Science in Management Information Systems.

➤ **LEVEL OF QUALIFICATION**

Bachelor Degree (1st Cycle)

➤ **SPECIFIC ADMISSION REQUIREMENTS**

In the framework of the regulations set by Higher Education Council of Turkey (YÖK), student admission for this undergraduate program is made through a university entrance examination called YKS. Following the submission of students' academic program preferences, Student Selection and Placement Center (ÖSYM) places the students to the relevant program according to the score they get from ÖSYS.

International students are accepted to this undergraduate program according to the score of one of the international exams they take such as SAT, ACT and so on, or according to their high school diploma score.

Exchange student admission is made according to the requirements determined by bilateral agreements signed by NEU and the partner university.

Visiting students can enroll for the courses offered in this program upon the confirmation of the related academic unit. Additionally, they need to prove their English language level since the medium of instruction of the program is English.

➤ **QUALIFICATION REQUIREMENTS AND REGULATIONS**

The students studying in this undergraduate program are required to have a Cumulative Grade Points Average (CGPA) of not less than 2.00/4.00 and have completed all the courses with at least a letter grade of DD/S in the program in order to graduate. The minimum number of ECTS credits required for graduation is 240. It is also mandatory for the students to complete their compulsory internship in a specified duration and quality.

➤ **RECOGNITION OF PRIOR LEARNING**

At Near East University, full-time students can be exempted from some courses within the framework of the related bylaws. If the content of the course previously taken in another institution is equivalent to the course offered at NEU, then the student can be exempted from this course with the approval of the related faculty/graduate school after the evaluation of the course content.

➤ **PROFILE OF THE PROGRAM**

The objective of the Management Information System programme is to educate future managers and entrepreneurs by investigating major functional areas of business activity. The program aims to provide the knowledge, skills and abilities required to be an effective MIS professional in a variety of organizational settings, both national and international. Individuals who graduate from the MIS department will have the competencies to examine people, technology, organizations and the relationship between them. Upon graduation, students should be equipped to pursue a career as Management Information Systems professionals or, if they so wish, to pursue further academic studies.

➤ **PROGRAM OUTCOMES**

Program Outcomes	
1	Demonstrate effective communication with individuals, teams, and large groups
2	Demonstrate effective analytical and critical thinking skills to make an appropriate business related decisions
3	Distinguish and analyze ethical problems that occur in business and management Systems
4	Apply leadership skills and competencies in organizations and projects
5	Illustrate how current technologies and decision-support tools can be utilized to the advantage of business operations.
6	Demonstrate an understanding of the major functional areas of management information systems
7	Explain the role and significance of effective management information systems, and describe how they contribute to optimizing organizational performance.
8	Explain fundamental database concepts and apply these concepts to the design and development of relational databases.
9	Demonstrate the major steps in the design and implementation phases of the software development life cycle (SDLC)
10	Demonstrate programming skills to solve common business problems and Web development techniques
11	Explain fundamental concepts of data communications, computer networking, and the related hardware.
12	Demonstrate technical knowledge of computer networks, information security and information assurance.
13	To have adequate knowledge in mathematics, science and Information Technologies; to be able to use theoretical and applied information in these areas on complex problems.
14	To have knowledge about industrial practices such as Project management, risk management, and change management; to have awareness of entrepreneurship and innovation; to have knowledge about sustainable development.

➤ **COURSE & PROGRAM OUTCOMES MATRIX**

		Program Outcomes
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MIS323	MANAGEMENT INFORMATION SYSTEMS		3	5	5	5	5	5								
MIS324	OBJECT ORIENTED PROGRAMMING II		5						4	3	5					
MIS325	DATABASE PROGRAMMING I		4		4				5		5	3	3	3		
4 th year -1 st semester																
BANK405	RISK MANAGEMENT		3	4	4	4									3	5
EAS402	HUMAN RESOURCE MANAGEMENT		5	3	4	4										5
MIS412	DATA SCIENCE								4		4		4			5
4 th year -2 nd semester																
MIS410	DECISION SUPPORT SYSTEMS			5	4	4	5		4						5	5
MIS420	ENTERPRISE RESOURCE PLANNING SYSTEMS			4	3	4	4		3						4	5
Technical (Field Related) Elective Courses																
MIS436	WEB TECHNOLOGIES			4	4	3	4	5		4	5					3
MIS421	SOFTWARE TESTING		3	5	4	3	4	5		4	5					3
MIS488	WEB DEVELOPMENT		3	4	4	3	4	4		4	5					4
MIS425	KNOWLEDGE MANAGEMENT		5	4	4	4			3							5
MIS450	IT PROJECT MANAGEMENT			4	4	4	4									5
MIS416	COMPUTER NETWORKS			4	3	4	4				4	5	5			5
MIS426	DIGITAL MARKETING		5	5	5	5									5	5
MIS469	MANAGING TEAMS		5	4		5	3									5
MIS404	EMPLOYEE EMPLOYER RELATIONS		5	5	5	5									5	5
EAS304	MARKETING MANAGEMENT		5	4	4	4			3							5
EAS405	PRODUCTION MANAGEMENT		4	4		4	3									3

* 1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest

➤ OCCUPATIONAL PROFILES OF GRADUATES

Graduates from the Management Information Systems programme are equipped with Information technology and communication skills that help them quickly adapt to any work setting. They are also effective team players who make them productive team members. As such, graduates are readily employable in both private and public sectors. Many graduates find employment in various business and information technology related settings including any information technology department, marketing, accounting, finance, human resource management. In order to facilitate operations in companies, in IT departments, banks, software and automation companies; they can continue their careers in different positions.

➤ ACCESS TO FURTHER STUDIES

The students graduating from this program may apply to graduate programs.

➤ **PROGRAM STRUCTURE**

The undergraduate program in Management Information Systems consists 47 courses with 240 ECTS credits in total.

There are at least 5 courses in each semester, excluding common compulsory courses and elective courses. In each program, there are common compulsory courses identified by the Higher Education Council of Turkey (YÖK) and other common courses determined by the university senate. Beginning from the fourth year, elective courses are anticipated in each semester.

COURSES OFFERED THROUGHOUT THE UNIVERSITY		
Common University Courses	Campus Orientation	The students are registered to this course at the beginning of the first semester of the freshman year to familiarize them with the campus life at NEU.
	Career Planning	The students are registered to this course at the beginning of their second semester of the freshman year to help them prepare for work life after graduation.
	Cyprus History and Culture	This course is taken by students in their freshmen year and it aims to help them to familiarize them with the local history and culture.
Common Compulsory Courses (YÖK Courses)	Turkish Language I-II (Turkish for Foreigners I & II to replace this course for international students) Principles of Atatürk and History of Revolution I-II	These are the compulsory courses which are required to be offered in all of the associate and undergraduate programs in Turkey according to the Higher Education Legislation.
	Information Technologies	This course is anticipated in all the associate and undergraduate programs in Turkey in order to make the students gain the qualifications related to basic information technologies.
	Foreign Language (ENGLISH) I & II	This course is offered in the first and second semester and conducted according to the program curriculum of each faculty.

➤ **COURSE STRUCTURE DIAGRAM WITH COURSE CREDITS**

To see the course details (such as objectives, learning outcomes, content, assessment and ECTS workload), click the relevant Course Code given in the table below:

1 st Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
ENG101		ENGLISH I	3	0	3	3
MTH171		MATHEMATICS FOR BUSINESS AND ECONOMICS I	3	0	3	5
EAS101		PRINCIPLES OF ECONOMICS I	3	0	3	6

EAS103		INTRODUCTION TO BUSINESS	3	0	3	6
MIS101		INTRO. TO INFORMATION TECHNOLOGIES I	3	0	3	4
YİT101/ TUR101		TURKISH FOR INTERNATIONAL STUDENTS I TURKISH LANGUAGE I (TURKISH STDS)	2	0	2	2
CAM100		CAMPUS ORIENTATION	2	0	0	2
CHC100		CYPRUS HISTORY AND CULTURE	2	0	2	2
Total						30

1 st Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
ENG102		ENGLISH II	3	0	3	3
MTH172		MATHEMATICS FOR BUSINESS AND ECONOMICS II	3	0	3	6
EAS102		PRINCIPLES OF ECONOMICS II	3	0	3	6
EAS104		PRINCIPLES OF MANAGEMENT	3	0	3	6
MIS102		INTRO. TO INFORMATION TECHNOLOGIES II	2	2	3	5
YİT102/ TUR102		TURKISH II (FOREIGN STDS) TURKISH II (TURKISH STDS)	2	0	2	2
CAR100		CAREER PLANNING	0	0	0	2
Total						30

2 nd Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
MAN201		COMMUNICATION FOR BUSINESS I	3	0	3	4
EAS201		MICROECONOMICS	2	0	3	6
MTH261		STATISTICS I	3	0	3	6
MIS201		ALGORITHMS AND PROGRAMMING TECHNIQUES	2	2	3	6
EAS203		FINANCIAL ACCOUNTING I	3	0	3	6
AİT103/ AİT103		PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION I (FOR FOREIGNERS) PRINCIPLES OF ATATÜRK I (FOR TURKISH STDS)	2	0	2	2
Total						30

2 nd Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
MAN202		COMMUNICATION FOR BUSINESS II	3	0	3	4
EAS204		FINANCIAL ACCOUNTING II	2	0	3	6
MTH262		STATISTIC II	3	0	3	6
EAS202		MACROECONOMICS	2	0	3	6
MIS202		PROGRAMMING LANGUAGE I	2	0	3	6
AİT104/ AİT104		PRINCIPLES OF ATATURK AND HISTORY OF TURKISH REVOLUTION II (FOR FOREIGNERS) PRINCIPLES OF ATATÜRK II (FOR TURKISH STDS)	2	0	2	2
Total						30

3 rd Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
MIS310		INTRODUCTION TO MIS	3	0	3	6
MIS311		OBJECT ORIENTED PROGRAMMING I	3	0	3	6
MIS312		INFORMATIONS SYSTEMS SECURITY	3	0	3	6
MIS313		PROGRAMMING LANGUAGE II	2	2	3	6
MIS322		SYSTEM ANALYSIS AND DESIGN	2	2	3	6
Total						30

3 rd Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
MIS321		E-COMMERCE	3	0	3	6
EAS308		OPERATIONS RES& MAN	2	2	3	6
MIS323		MANAGEMENT INFORMATION SYSTEMS	2	2	3	6
MIS324		OBJECT ORIENTED PROGRAMMING II	3	0	3	6
MIS325		DATABASE PROGRAMMING I	2	2	3	6
Total						30

4 th Year Fall Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
BANK405		RISK MANAGEMENT	3	0	3	6

EAS402		HUMAN RESOURCE MANAGEMENT	3	0	3	6
MIS412		DATA SCIENCE	3	0	3	6
MIS---		ELECTIVE COURSE I	3	0	3	6
MIS---		ELECTIVE COURSE II	3	0	3	6
Total						30

4 th Year Spring Semester						
Course Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
MIS410		DECISION SUPPORT SYSTEMS	3	0	3	6
MIS420		ENTERPRISE RESOURCE PLANNING SYSTEMS	3	0	3	6
MIS---		ELECTIVE COURSE III	3	0	3	6
MIS---		ELECTIVE COURSE IV	3	0	3	6
MIS---		ELECTIVE COURSE V	3	0	3	6
Total						30

Field-Related / Technical Elective Courses						
Code	Pre.	Course Name	Theory	Application/ Laboratory	Local Credits	ECTS
MIS436		WEB TECHNOLOGIES	3	0	3	6
MIS421		SOFTWARE TESTING	3	0	3	6
MIS488		WEB DEVELOPMENT	3	0	3	6
MIS425		KNOWLEDGE MANAGEMENT	3	0	3	6
MIS450		IT PROJECT MANAGEMENT	3	0	3	6
MIS416		COMPUTER NETWORKS	3	0	3	6
MIS426		DIGITAL MARKETING	3	0	3	6
MIS469		MANAGING TEAMS	3	0	3	6
MIS404		EMPLOYEE EMPLOYER RELATIONS	3	0	3	6
EAS304		MARKETING MANAGEMENT	3	0	3	6
EAS405		PRODUCTION MANAGEMENT	3	0	3	6

Additional Notes

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A total of 240 ECTS credits of courses are required to graduate. The Management Information Systems students must complete technical and non-technical elective courses to provide a total of 240 ECTS credits. Otherwise they will not be deemed to fulfill the conditions to graduate from the program.

If you need support for these courses due to your disability, please refer to Disability Support Unit. Contact; engelsiz@neu.edu.tr

➤ EXAM REGULATIONS & ASSESSMENT & GRADING

Exam Regulations and, Assessment, and Grading

For each course taken at NEU, the student is given one of the letter grades below by the instructor as the semester course grade. Each grade has also its ECTS grade equivalent

The table below provides the detailed information about the local letter grades, coefficients and ECTS grade equivalents.

SCORE	GRADE	COEFFICIENT	ECTS Grade
90-100	AA	4.0	A
85-89	BA	3.5	B*
80-84	BB	3.0	B*
75-79	CB	2.5	C*
70-74	CC	2.0	C*
60-69	DC	1.5	D
50-59	DD	1.0	E
49 and below	FF	0.0	F

*for these ones, the higher grade is applied

In order to be successful in a course, short cycle (associate degree) and first cycle (bachelor's degree) students have to get a grade of at least DD, second cycle (master's degree) students have to get a grade of at least CC, and third cycle (Ph.D.) students have to get a grade of at least CB to pass a course. For courses which are not included in the cumulative GPA, students need to get a grade of S.

Apart from that, each local grade has its equivalent ECTS grade which makes it easier to transfer the grades of mobility periods of students. The chart above shows the ECTS grading system at NEU.

Also, among the Letter Grades;

I	Incomplete
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S	Satisfactory Completion
U	Unsatisfactory
P	Successful Progress
NP	Not Successful Progress
EX	Exempt
NI	Not included
W	Withdrawal
NA	Never Attended

Grade of I (Incomplete), is given to students who are not able to meet all the course requirements at the end of the semester or summer school due to a valid justification accepted by the instructor. Students who receive a letter grade “I” must complete their missing course requirements and receive a letter grade within one week following the date the end of semester grades or summer school grades submitted. However, in the event of special cases, this period can be extended until two weeks before the beginning of registration for the next semester, upon the recommendation of the respective Graduate School department head and the decision of that academic unit’s administrative board. Otherwise, grade of “I” will automatically become grade of FF, or grade of U.

Grade of S (Satisfactory) is given to students who are successful in non-credited courses.

Grade of U (Unsatisfactory) is given to students who are unsuccessful in non-credited courses.

Grade of P (Successful Progress) is given to students, who continue to the courses that are not included in the GPA that has a period exceeding one semester, and regularly performs the academic studies for the respective semester.

Grade of NP (Not Successful Progress) is given to students, who do not regularly perform the academic studies for the respective semester for courses that are not included in the GPA and have a period exceeding one semester.

Grade of EX (Exempt), is given to students who are exempt from some of the courses in the curriculum.

Grade of NI (Not included) is issued to identify the courses taken by the student in the program or programs which are not included in the GPA of the student. This grade is reported in the students’ transcripts with the respective letter grade. Such courses are not counted as the courses in the program that the student is registered to.

Grade of W (Withdrawal) is used for the courses that the student withdraws from in the first ten weeks of the semester following the add/drop period, upon the recommendation of his/ her advisor and the permission of the instructor that teaches the course. A student is not allowed to withdraw from courses during the first two semesters of his/ her associate/undergraduate degree program and from those courses he/she has to repeat and received grade “W” before, which are not included in the grade average. A student is allowed to withdraw from two courses at the most during his/ her associate degree study, and four courses during his/her undergraduate study upon the recommendation of the advisor and the permission of the instructor that teaches the course. A student has to take the course that he/she withdrew from, the first semester in which it is offered.

Grade “NA” (Never Attended) is issued by the instructor for students who fail to fulfil the attendance and/or requirements of the course and/or who lose their right to take the end of semester exam because they failed to take any of the exams administered throughout the semester. Grade “NA” is not considered in the average calculations.

Both the ECTS grades and the local grades of the students are displayed on the official transcript of the students.

➤ **GRADUATION REQUIREMENTS**

In order to graduate from this undergraduate program, the students are required;

to succeed in all of the courses listed in the curriculum of the program by getting the grade of at least DD/S with a minimum of 240 ECTS

to have a Cumulative Grade Point Average (CGPA) of 2.00 out of 4.00

to complete their compulsory internship in a specified duration and quality.

➤ **MODE OF STUDY**

This is a full-time program.

➤ **PROGRAM DIRECTOR (OR EQUIVALENT)**

Prof. Dr. Fezile Özdamlı, Head of Department, Faculty of Economics and Administrative Sciences,
Near East University

➤ **EVALUATION QUESTIONNAIRES**

Evaluation Survey

Graduation Survey

Satisfaction Survey