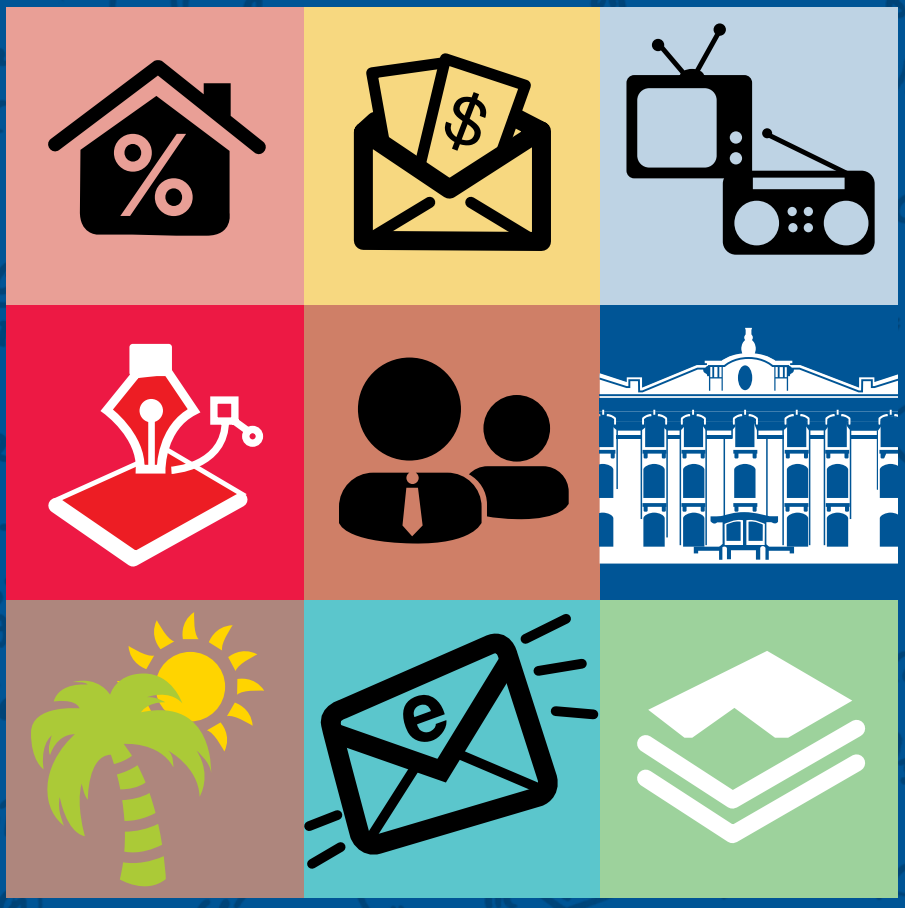


KADİR HAS UNIVERSITY

GRADUATE SCHOOL OF SCIENCE AND ENGINEERING

adım adım gelecek
KADİR HAS
1997
ÜNİVERSİTESİ

2011-2012


T.C. KADİR HAS ÜNİVERSİTESİ

KADİR HAS UNIVERSITY
GRADUATE SCHOOL OF SCIENCE AND ENGINEERING

The Graduate School of Science and Engineering at Kadir Has University offers graduate programs which focus on engineering and information technologies as well as interdisciplinary programs emphasizing science, society and cultural heritage. All of the programs aim to provide our graduates with a strong scientific and technical background in addition to a firm grasp of academic rigor, while ensuring that they are abreast of current practices in their specific fields.

The non-thesis M.Sc. programs generally focus on applied skills, requiring 10 to 15 courses and a Graduation Project (30 ECTS) to fulfill graduation requirements. The thesis - based M.Sc. programs require 8 to 10 courses, a graduate seminar and a thesis (60 ECTS). Students are allowed to transfer only one time between the thesis and non-thesis graduate programs.

Administration

Dean : Prof. Dr. Ayşe Hümeyra Bilge

Vice Deans : Assistant Prof. Dr. Funda Samanlıoğlu; Assistant Prof. Dr. Demet Akten Akdoğan

Secretary : İnci Er

Contact Information

Tel : (212) 533-65 32 (ext: 1349)

Fax : (212) 533 22 86

e-mail : fbe@khas.edu.tr

Address : Kadir Has University, Cibali, 34083, Fatih, Istanbul

Programs, Language of Instruction and Program Coordinators:

Computer Engineering (M.Sc., English)	(Asst.Prof.Dr.Taner Arsan)
Computational Biology and Bioinformatics (M.Sc., English)	(Prof.Dr.Kemal Yelekçi)
Electronics Engineering (M.Sc. and PhD, English)	(Prof.Dr.Erdal Panayırcı)
Financial Engineering (M.Sc. non-thesis; partly in English)	(Prof.Dr.Ayşe H.Bilge)
Industrial Engineering (M.Sc., English)	(Assoc.Prof.Dr.Zeki Ayağ)
Information Technologies (M.Sc. thesis/non-thesis; partly in English)	(Prof.Dr. Hasan Dağ)
Management Information Systems (M.Sc. thesis/non-thesis; partly in English)	(Prof.Dr. Hasan Dağ)
Preservation of Cultural Heritage (M.Sc. thesis/non-thesis; Turkish)	(Prof.Dr.Füsun Alioğlu)

General Information:

- There are two categories of graduate courses: compulsory and elective. Compulsory courses are offered every year, while elective courses may only be offered in alternate years.
- Courses are generally 3 credits. The total credit requirements for each program are provided in the program descriptions. With the approval of the program coordinator, students may take at most 2 courses from graduate programs at other universities, and these shall be credited towards a student's graduate coursework at Kadir Has University.
- All courses are given at the Cibali Campus of Kadir Has University. Class hours have been scheduled taking into consideration the needs of working students.
- For non-thesis programs, a non-credit graduate project must be completed. The aim of this project is to provide practical hands-on application of the skills and knowledge covered by course material, as well as help students learn how to effectively conduct scientific reporting.
- For thesis programs, a non-credit seminar course must be taken. The aim of this course is to give students the opportunity to learn about the principles of scholarly research and also to help them acquire and develop the techniques used in scholarly presentations.

- The graduate thesis is non-credit; the aim of the thesis is to help students build on their knowledge about comprehensive scientific research, the development of methodologies and scientific writing techniques, as well as presentation and reporting.
- Some graduate programs may require scientific preparation courses for students whose educational backgrounds differ from the disciplines they wish to pursue.

Application:

The first step in the application process is to fill out an online application form, which can be found on the online application page: on the main page of the university website, click on "Academic" and again on "Graduate Schools" and a link for the online application form will be visible on the right-hand side of the page. Alternatively, the form can be accessed at this web address: https://bys.khas.edu.tr/onkayit/. After applying, you must send the requisite documents to the Registrar's Office at Kadir Has University. Pre-registration for the graduate programs at Kadir Has University is free.

An English proficiency certificate (from either ÜDS/KPDS or YÖK) is required for application to all graduate programs with the exception of the Cultural Heritage Protection program. Students who do not have a valid language proficiency certificate can take Kadir Has University's Foreign Language Proficiency Exam, which is administered free of charge; the KHAS English Preparatory School announces the scheduling of dates for this exam.

Required Forms for Application and Registration:

- Interim certificate of completion or photocopy of undergraduate diploma (notarized)
- Official transcript
- Copy of residence permit (for foreign applicants)
- Copy of birth certificate
- 3 photos
- Certificate stating military service status (for Turkish applicants)
- ALES certificate (for Turkish applicants); GRE Certificatel (for foreign applicants)
- 2 Reference Letters
- CV / Resume
- English Proficiency certificate (not required for Cultural Heritage Protection graduate program)

Scholarships:

Graduate students may qualify for type A or type B scholarships. The type A scholarship includes a full tuition waiver and financial support throughout the normal duration of graduate education. Holders of type A scholarships are asked to work for 20 hours per week for her/his department. The type B scholarship includes only a full or partial tuition waiver, and students holding a 50% or type B scholarship are asked to work for 10 hours per week for her/his department. More information concerning graduate scholarships may be found on the university's website under the "Prospective Students" link.

Quotas and Acceptance Requirements:

Program	ALES	Language of Instruction	Student Quota	Contact
Computer Engineering Master's Program	Quantitative 55	English Proficiency certificate required	15 (3 Scholarships)	Assistant Prof. Dr.Taner Arsan (212) 533 65 32 ext: 1405 / taner.arsan@khas.edu.tr
Electronic Engineering Master's Program	Quantitative 55	English Proficiency certificate required	15 (3 Scholarships)	Prof.Dr. Erdal Panayırcı (212) 533 6532 ext: 1404 eepanay@khas.edu.tr
Electronic Engineering PhD	Quantitative 70	English Proficiency certificate required	4 (1 Scholarship)	Prof.Dr. Erdal Panayırcı, (212) 533 6532 ext: 1404 eepanay@khas.edu.tr
Industrial Engineering Master's Program	Quantitative 55	English Proficiency certificate required	15 (3 Scholarships)	Associate Prof. Dr. Zeki Ayağ, (212) 533 65 32 ext: 1409 / zekia@khas.edu.tr
Information Technologies Master's Program	Quantitative 55	Courses mostly in Turkish English proficiency certificate required	15 (3 Scholarships)	Prof. Dr. Hasan Dağ, (0212) 533 65 32 ext: 1351 hasan.dag@khas.edu.tr Işıl Yenidoğan Tiryakiler (212) 533 6532 ext: 1343 isil.tiryakiler@khas.edu.tr
Financial Engineering Master's Program	Quantitative 55	Courses mostly in Turkish English proficiency ertificate required	12 (2 Scholarships)	Prof. Dr. Ayşe Hümeyra Bilge (212) 533 65 32 ext:1358 / ayse.bilge@khas.edu.tr
Computational Biology and Bioinformatics Master's Program	Quantitative 55	English Proficiency certificate required	18 (3 Scholarships)	Prof. Dr. Kemal Yelekçi (212) 533 65 32 ext: 1332 yelekci@khas.edu.tr Assistant Prof. Dr. Demet Akten Akdoğan (0212) 533 6532 ext:1350 / demet.akten@khas.edu.tr
Cultural Heritage Protection Master's Program	Equally weighted 55	Turkish	24 (4 Scholarships)	Prof.Dr. E. Füsun Alioğlu (212) 533 65 32 ext: 1566 fusun.alioglu@khas.edu.tr Assistant Prof. Dr.Yonca Kösebay Erkan (212) 5336532 / ext:1568, yonca.erkan@khas.edu.tr
Science, Technology, Society Master's Program	Equally weighted 55	English Proficiency certificate required	15 (3 Scholarships)	Prof. Dr. Hasan Dağ, (0212) 533 65 32 ext: 1351 hasan.dag@khas.edu.tr
Management Information Systems Master's Program	Quantitative 55	Courses mostly in Turkish English proficiency certificate required	18 (3 Scholarships)	Prof. Dr. Hasan Dağ, (0212) 533 65 32 ext:1351 hasan.dag@khas.edu.tr Işıl Yenidoğan Tiryakiler (0212) 533 65 32 ext: 1343 isil.tiryakiler@khas.edu.tr

COMPUTER ENGINEERING (WITH THESIS):

The Master of Science in Computer Engineering emphasizes mobile, network and software engineering applications, all areas of growing importance in today's world.

- All courses are taught in English.
- Courses are selected from the compulsory and elective course categories. All courses have 3 credit hours, and students must select two courses (6 credit hours) from the compulsory course category and five courses (15 credit hours) from the elective course category. Elective courses may differ in each term. The graduate seminar and thesis are non-credit.
- Graduate courses are taught between 5:00 p.m. to 8:00 p.m. at the Cibali Campus of Kadir Has University.

Compulsory Courses

CE 501	Advanced Software Engineering	3+0+0
CE 509	Algorithm Design and Analysis	3+0+0
CE 598	Seminar	0+0+0
CE 599	Master's Thesis	0+0+0

Elective Courses

CE 502	Software Architecture of Web Services	3+0+0
EE 503	Information Theory and Coding	3+0+0
EE 506	Wireless Networks	3+0+0
CE 506	Computational Geometry	3+0+0
CE 511	Neural Networks and Fuzzy Systems	3+0+0
CE 512	Business Intelligence and Data Warehousing	3+0+0
CE 513	Artificial Intelligence	3+0+0
CE 514	Data Mining	3+0+0
CE 531	Application Development in SOA	3+0+0
CE 537	Parallel Programming	3+0+0
CE 539	Computer Networks	3+0+0
Total Program Credits		21

ELECTRONICS ENGINEERING (WITH THESIS):

This program is designed to equip graduates with the knowledge and skills they will need to successfully compete in both domestic and international job markets. Students are encouraged to develop the ability to find creative solutions to society's technological problems while remaining sensitive to universal ethical standards and holding to this discipline's code of ethics. Through their coursework, students will learn how to build on and develop the information and technology needed in today's rapidly changing world. Graduates for this program will:

- Have a strong background in mathematics and engineering, and be able to apply those skills in her/his area of expertise.
- Be able to effectively troubleshoot electronic engineering problems, especially in the fields of telecommunications engineering and information technologies.
- Apply analytical thinking to generate solutions for electronics engineering and related fields.
- Be able to effectively utilize the tools of the trade necessary for modern engineering applications.

Compulsory Courses

EE-501	Probability & Stochastic Processes	3+0+0
EE-503	Information Theory and Coding	3+0+0
EE-598	Seminar	0+0+0
EE-599	Master's Thesis	0+0+0

Elective Courses

EE-502	Linear Systems	3+0+0
EE-504	Digital Communications	3+0+0
EE-505	Wireless Communications	3+0+0
EE-506	Wireless Networks	3+0+0
EE-508	Advanced Signal Processing	3+0+0
Total Program Credits		21

(PH. D) PROGRAM IN ELECTRONICS ENGINEERING

Compulsory Courses

EE 698	Graduate Seminar	3+0+0
EE 699	Ph. D. Thesis	3+0+0

Elective Courses

EE 601	Advanced Signal Processing Techniques	3+0+0
EE 602	Adaptive Signal Processing	3+0+0
EE 603	Estimation Theory	3+0+0
EE 604	Error Control Coding	3+0+0
EE 605	Wireless Networks and Mobile Systems	3+0+0
EE 606	Statistical Signal Processing in Communications	3+0+0
EE 607	Pattern Recognition	3+0+0
EE 620	Microwave Circuit Design	3+0+0
EE 630	Stochastic Systems and Control	3+0+0
EE 650-660	Special Topics in Electronics Engineering	3+0+0
Total Program Credits		27

INDUSTRIAL ENGINEERING (WITH THESIS):

Recent technological and industrial developments have increased dependency on scarce natural resources such as energy and raw materials, and being able to utilize these resources in the most efficient manner has become an issue of critical importance. Given this situation, together with the fact that business and working conditions are undergoing transformations, industrial engineers are crucial to firms in the management of scarce resources, the recommendation of alternative production policies, and ensuring the coordination of interdisciplinary projects.

The Master of Science program in Industrial Engineering (with thesis) is structured to give students the skills they will need for the design and analysis of manufacturing and/or service organizations. This program will focus on the theory, applications, and practice of industrial engineering and operations research. Basic research areas are production planning and inventory control, manufacturing automation, manufacturing systems design and analysis, cost management, operations research, decision analysis, quality management, and human factor engineering. Related fields and subjects include operations research, production planning and control, quality control and management, ergonomics, inventory management, cost management, facility design and planning, and systems analysis.

Utilizing the latest techniques and methods, our aim is to provide the best in industrial engineering education so that upon graduation, students will be competitive professionals highly skilled in the fields of energy development, operations and scarce resource management. Students who have graduated with a bachelor's degree in the field of industrial engineering as well as students coming from different educational backgrounds are welcomed to apply to the Master of Science program in Industrial Engineering.

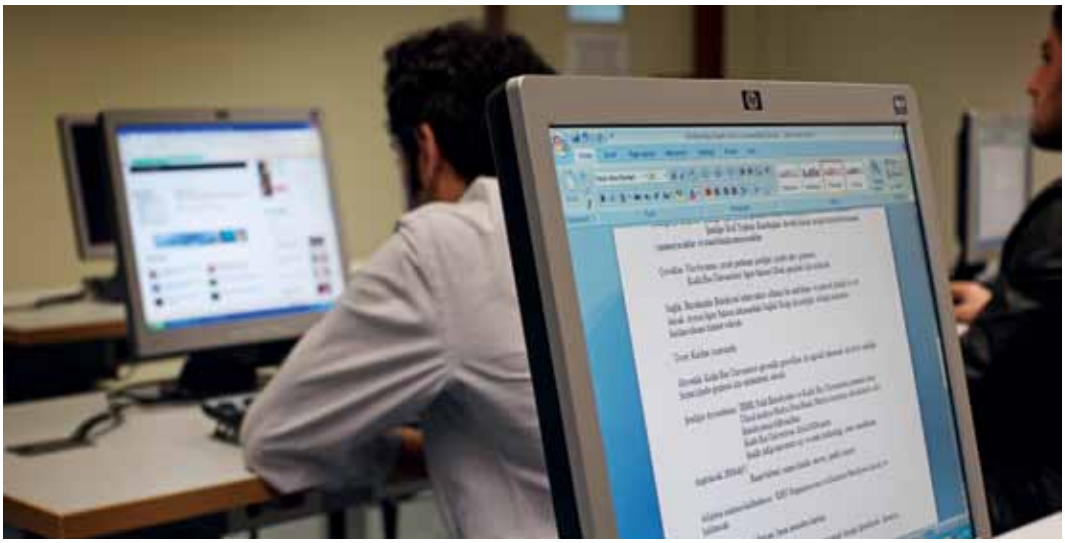
Compulsory Courses

IE 503	Engineering Optimization and Applications	3+0+0
IE 504	Advanced Topics in Quality Control	3+0+0
IE 505	Advanced Production Planning & Control	3+0+0
IE 598	Seminar	0+0+0
IE 599	Master's Thesis	0+0+0

Elective Courses

IE 501	Management of Technology and Innovation	3+0+0
IE 502	Engineering Project Management	3+0+0
IE 506	Financial Management	3+0+0
IE 507	Logistics and Supply Chain Management	3+0+0
IE 508	Human Factors Engineering	3+0+0
IE 509	TQM and Quality Systems	3+0+0
IE 510	Human Resources Management	3+0+0
IE 511	Lean Manufacturing	3+0+0

Total Program Credits 21



INFORMATION TECHNOLOGIES (THESIS/NON-THESIS)

The Information Technologies Master of Science program focuses on the development of both theoretical and practical skills concerning information technologies, a field which has become crucial to almost every aspect of contemporary life. It has been predicted that there will be a demand for more than 100,000 specialists in this field (as reported by the Turkish State Planning Organization and the Turkish Information Foundation), and Europe may begin offering "blue cards" (like American green cards) to attract qualified specialists in this field. Internet and web technologies are in constant, rapid development, and this program has been designed so that students who complete the program will have the necessary skills to keep up with developments and be able to generate creative solutions for information technology problems. To best provide students with the knowledge and skills they will need, education ad training is provided about both open source code systems and commercial systems.

- All courses are 3 credits. In the thesis program, students must successfully complete 24 credits, 9 of which are compulsory and 15 of which are elective. In the non-thesis program, students must successfully complete 36 credits, 30 of which are compulsory and 6 of which are elective.
- Students whose undergraduate educational background does not include computer sciences, IT, Management Information Systems, Computer Sciences/Engineering, or Software Engineering may still apply and be accepted into the program, but such students may be required to take up to a year of preparatory courses as decided by the program coordinator. Any courses taken for preparation will not count towards the credits required for completion of the master's program.
- Classes will be held between 5:00 p.m. and 8:00 p.m. on weekdays at the Cibali campus of Kadir Has University, and some courses may also be held on weekends..

IT WITH THESIS

Compulsory Non-Credit Courses

IT 501 Discrete Mathematics	3+0+0
IT 502 Probability and Statics	3+0+0
IT 511 Introduction to Operating Systems	3+0+0
IT 526 Database Design and Management	3+0+0
IT 562 Structured Programming Languages and Data Structures	3+0+0
IT 565 Computer and Network Security	3+0+0

Compulsory Courses

IT 566 Multicore Architectures and Parallel Programming	3+0+0
IT 571 Advanced Data Mining and Data Warehousing	3+0+0
IT 572 Advanced Information System Analysis and Design	3+0+0
IT 589 Seminar	0+0+0
IT 599 Master's Thesis	0+0+0

Elective Courses

IT 524 Programming with C++	3+0+0
IT 531 System Programming	3+0+0
IT 561 GUI Design	3+0+0
IT 563 Object Oriented Programming: C ++	3+0+0
IT 564 Web Services	3+0+0
IT 567 Advanced Web Technologies	3+0+0
IT 568 Distributed Database Systems	3+0+0
IT 569 Software Project Management	3+0+0
IT 570 Information Technologies System Management	3+0+0
IT 573 Information Security	3+0+0
IT 575 Advanced Server Side Programming Languages	3+0+0
Total Program Credits (with thesis)	24

IT, NON-THESIS

Compulsory Courses

IT 501 Discrete Mathematics	3+0+0
IT 502 Probability and Statics	3+0+0
IT 511 Introduction to Operating Systems	3+0+0
IT 513 Introduction to Java Programming	3+0+0
IT 515 Client Side Programming Languages	3+0+0
IT 522 Advanced Java Programming	3+0+0
IT 526 Database Design and Management	3+0+0
IT 531 System Programming	3+0+0
IT 533 Server Side Program Languages	3+0+0
IT 589 Seminar	0+0+0
IT 599 Master's Thesis	0+0+0

Elective Courses

IT 524 Programming with C++	3+0+0
IT 561 GUI Design	3+0+0
IT 562 Structured Programming Languages and Data Structures	3+0+0
IT 563 Object Oriented Programming: C ++	3+0+0
IT 564 Web Services	3+0+0
IT 565 Computer and Network Security	3+0+0
IT 566 Multicore Architectures and Parallel Programming	3+0+0
IT 567 Advanced Web Technologies	3+0+0
IT 568 Distributed Database Systems	3+0+0
IT 569 Software Project Management	3+0+0
IT 570 Information Technologies System Management	3+0+0
Total Program Credits (non-Thesis)	36

FINANCIAL ENGINEERING (NON-THESIS)

As a result of recent technological developments, there has been an increasing demand for professionals in finance with an engineering background. To meet this need, the Master's Program in Financial Engineering is an interdisciplinary program based on finance theory, the application of mathematical sciences to finance, and the use of information technologies in finance.

Graduates from the program will move on to work in the banking sector, in financial management, in risk analysis and as quantitative analysts in finance departments. Successful specialists in this field will:

• Be able to efficiently use the requisite tools and techniques to evaluate financial markets, determine investment strategies and make risk assessments concerning insurance and investment funds.

• Work on the design, implementation and marketing of new financial tools.

• Construct mathematical models and generate solutions utilizing efficient computational techniques.

The program's compulsory courses include basic courses in finance, financial mathematics, and programming. The first year's laboratory work aims to provide hands-on training in the programming of financial mathematics and on the use of data terminals for stock markets. The second year's laboratory work, which is advised by professionals, consists of seminars in various areas of finance.

• Courses offered by the Graduate School of Science (except for laboratory work) are taught in English.

• Courses are selected from compulsory and elective course categories.

• The program consists of 22 credits of compulsory and 14 credits of elective courses. Students should complete 36 credits and complete a (non-credit) graduation project to complete the program.

• Elective courses may differ each term depending on the availability of faculty resources.

• Graduate courses are offered in general on Saturdays from 9:00 a.m. to 6:00 p.m., and on weekdays in the evenings between 6:00 p.m. and 10:00 p.m..

Compulsory Courses

FE 501 Financial Mathematics 1	(3+0+0) 3 credits
FE 581 Finance Laboratory 1	0+4+0
FB 503 Financial Theory and Institutional Financing	2+0+0
FB 545 Modern Investment Theory	2+0+0
IT 513 Introduction to Java Programming	3+0+0
FE 502 Financial Engineering 2	(3+0+0) 3 credits
FE 582 Finance Laboratory 2	0+4+0
IT 571 Advanced Data Mining and Data Warehousing	3+0+0
FE 583 Finance Laboratory 3	0+4+0
FE 580 Graduation Project	0+0+0

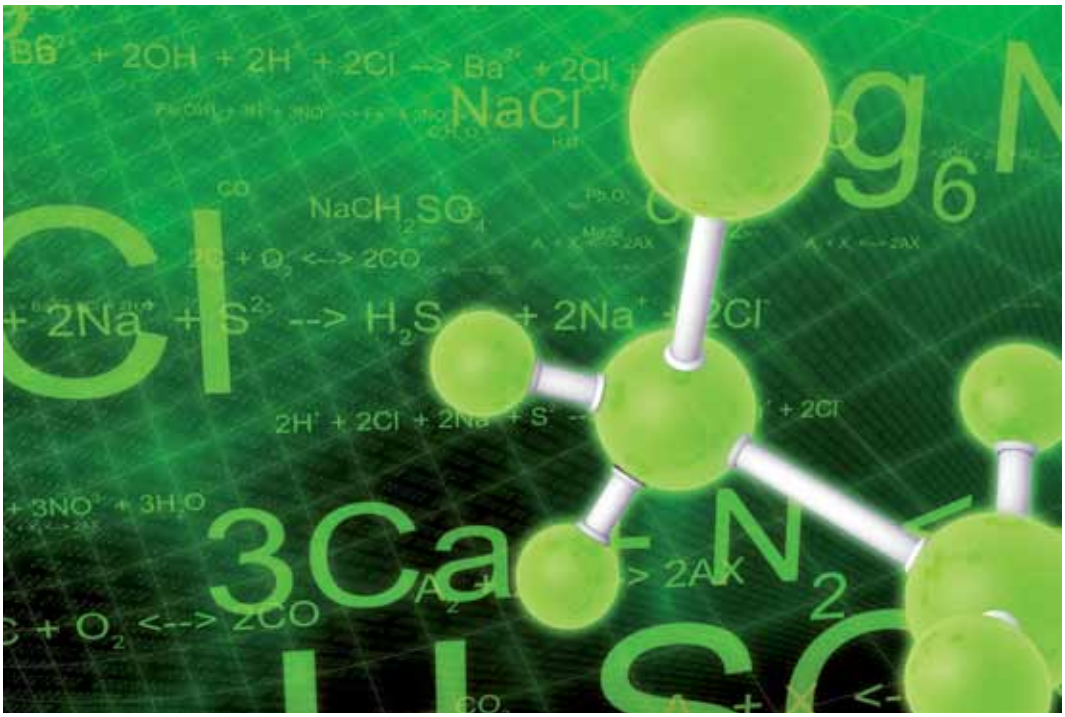
Elective Courses

FE 511 Stochastic Differential Equations	(3+0+0) 3 credits
FE 512 Optimization Methods in Finance	(3+0+0) 3 credits
FE 513 Numerical Methods	(3+0+0) 3 credits
FE 525 Financial Modeling	(3+0+0) 3 credits
FB 537 Active-Passive Managements in Banks	2+0+0
FB 542 Derivative Products	2+0+0
FB 543 Financial Market and Enterprise	2+0+0
FB 544 Essential Analysis and Application	2+0+0
FB 554 Technical Analysis	2+0+0
IT 522 Advanced Java Programming	3+0+0
IT 526 Database Design and Management	3+0+0
IT 533 Server Side Progr. Languages	3+0+0
Total Credits of Program	36

COMPUTATIONAL BIOLOGY AND BIOINFORMATICS GRADUATE PROGRAM (THESIS)

Program Objectives:

With their complex systems, living organisms have always been the most important focus of bioinformatics, which employs numerical strategies for the resolution of problems and to cure diseases. Computer technology has allowed for dramatic strides forward in this newly emergent area of research, and applied computer systems have developed so rapidly that the emergence of computational biology and bioinformatics was inevitable. In particular, analysis of decoded DNA in human genomes requires powerful computer technology. In addition, newly developed statistical methods for analyzing the ever-increasing amounts of biological data are also in great demand.



This graduate program aims to provide students with the requisite knowledge and skills to process information concerning biological systems and to develop new algorithms to solve cutting-edge problems in biology. During the course of their studies, students will develop practical approaches that draw on engineering skills and also learn how to express complex systems with simpler molecular models. Graduates from the program move on to pursue careers that demand a firm understanding of the latest computer technology and developments in the field of mathematics. Around the world, and especially in the USA, large amounts of money have been invested in bioinformatics, particularly in the health sector, and this interdisciplinary field is one of the most attractive and promising research areas of the 21st century.

- Students must complete 24 credits and complete a (non-credit) Graduation Project to complete the program.
- There are 18 credits of compulsory and 6 credits of elective courses.
- Courses will be held on weekdays from 5:00 to 8:00 p.m. at the Cibali campus of Kadir Has University. Some courses may be offered on weekends
- English is the language of instruction for all courses.

Required Courses

BIO 511	Bioinformatics	3+0+0
BIO 523	Introduction to Programming and Algorithms	3+0+0
BIO 531	Essential Cell Biology	3+0+0
BIO 510	Computer Aided Drug Design	3+0+0
BIO 520	Drug Design and Organic Chemistry of Drug Effect	3+0+0
BIO 530	Computational Molecular Biology and Genomics	3+0+0
BIO 598	Seminar	0+0+0
BIO 599	Graduation Project	0+0+0

Elective Courses

BIO 521	Numerical methods and Programming (Phyton)	3+0+0
BIO 522	Computational Structural Biology	3+0+0
BIO 543	Statistics	3+0+0
BIO 547	Biochemistry	3+0+0
BIO 551	Applied Quantum Chemistry	3+0+0
BIO 553	Thermodynamics and Statistical Mechanics	3+0+0
BIO 555	Molecular Modeling and Graphics	3+0+0
BIO 563	Applied Mathematics	3+0+0
BIO 572	Automatic Learning	3+0+0
BIO 574	Macromolecular Modeling and Simulation	3+0+0
BIO 576	Protein Folding Problem	3+0+0
BIO 588	System Biology	3+0+0
Total Program Credits		24

PRESERVATION OF CULTURAL HERITAGE (THESIS/NON-THESIS)

In Turkey, there is a historical and cultural heritage stretching from the prehistoric era nearly 10,000 years ago to the present day. Preserving every aspect of this cultural heritage for future generations, from the small scale to the large scale, is a national and humanitarian duty. The graduate program in cultural heritage protection explores how historical value is produced and how it can be identified and investigated, and courses focus on the identification of conservation problems and the creation of possible solutions to these problems, which are the mainstays for a culture of protection. Launched in the 2005-2006 academic year, the program is open to students from a variety of disciplines, as conservation is at heart a multi-disciplinary field. Both the thesis and non-thesis graduate programs offer a wide variety of courses, and students will also benefit from supplementary educational activities including applied projects, excursions, interviews, conferences and seminars.

The medium of instruction is Turkish.

Required Courses

KK 501	Theories of Conservation / Restoration	2+0+0
KK 502	Legal Aspects of Conservation / Restoration and its Applications	2+0+0
KK 503	Historical Sources and Methods Of Research	2+0+0
KK 504	Architectural Heritage of Istanbul	2+0+0
KK 617	Graduation Project	0+0+0
KK 607	Seminar	0+0+0
KK 609	Master's Thesis	0+0+0

Elective Courses

KK 505	Ottoman Architecture	2+0+0
KK 506	Turkish Houses	2+0+0
KK 507	Traditional Materials and Construction Methods	2+0+0
KK 508	Anatolian Archaeology	2+0+0
KK 509	Measured Drawing	2+0+0
KK 510	Ottoman Language	2+0+0
KK 511	Numerical Analysis	2+0+0
KK 512	Projects in Historical Building Conservation / Restoration	2+0+0
KK 513	Historical Monuments Deterioration	2+0+0
KK 514	Visual Documentation	2+0+0
KK 515	Historical Environment Analysis	2+0+0
KK 516	Methods of Conservation / Restoration	2+0+0
KK 601	Medieval Anatolian Architecture	2+0+0
KK 602	Medieval Anatolian Art	2+0+0
KK 603	Projects for the Preservation of Historical Environments	2+0+0
KK 604	Ottoman Art	2+0+0
KK 605	Excavation Studies	2+0+0
KK 606	Vernacular Architecture	2+0+0
KK 608	Design in the Historical Environment	2+0+0
KK 610	Conservation Laboratory	2+0+0
KK 611	Conservation of Small-Scale Works	2+0+0
KK 612	Conservation of 19th Century Furniture	2+0+0
KK 613	Modern Architecture And Its Historical Content	2+0+0
KK 614	Art History	2+0+0
KK 615	European Art	2+0+0
KK 616	Istanbul in Period of Westernization	2+0+0
Total Program Credits (Thesis)		24
Total Program Credits (Non-Thesis)		30

GRADUATE PROGRAM IN MANAGEMENT INFORMATION SYSTEMS (THESIS/NON-THESIS)

In today's world, it is simply not possible to manage a workplace or institution without information technology, and having access to information technology is key to maintaining a competitive edge. Similarly, entrepreneurs launching their own businesses, or employees in managerial positions in the field of information technology, must be well-versed in business and management. Comprehensively combining these fields, the Management Information Systems graduate program examines IT applications as a crucial aspect of technology in the business world. Through an understanding of technology management, students will acquire an even more thorough grasp of the intricacies of managing information and business affairs. It has been predicted that there will be a demand for more than 100,000 specialists in this field (as reported by the Turkish State Planning Organization and the Turkish Information Foundation), and Europe may begin offering "blue cards" (like American green cards) to attract qualified specialists in this field. It has been projected, however, that the total number of graduates from such fields as Computer Sciences, Computer Engineering, Software and Information Technologies will be able to fill a mere one-tenth of the employment need mentioned above, meaning that the job market in these fields is wide open.

- All courses are 3 credits.
- To graduate, students in the non-thesis MS program must complete 36 credits and a non-credit graduation project.
- The total number of required course credits includes 9 non-credit compulsory courses,12 compulsory courses and 24 electives.
- Graduate courses will be held on weekdays, from 5:00 p.m. to 8:00 p.m., at Kadir Has University Cibali campus. Courses may also be offered on weekends.

IT (THESIS)

Compulsory Non-Credit Courses

MIS 500 Introduction to Computer Information Systems	0+0+0
MIS 501 Economy and Basics of Statistics	0+0+0
MIS 503 Accounting and Finance Basics	0+0+0

Compulsory Courses

IT 572 Advanced Information System Analysis and Design	3+0+0
IT 526 Database Design and Management	3+0+0
MIS 502 Client and Server Side Programming Languages	3+0+0
MIS 511 Management Information Systems	3+0+0
MIS 532 Technology Management and Organizational	3+0+0
MIS 580 Seminar	0+0+0
MIS 599 Masters Thesis	0+0+0

Information Technologies Group Elective Courses (1 each)

IT 511 Introduction to Operating Systems	3+0+0
IT 513 Introduction to Java Programming	3+0+0
IT 565 Computer and Network Security	3+0+0
IT 571 Advanced Data Mining and Data Warehousing	3+0+0

Management Group Elective Courses (1 each)	
MIS 513 Project Management	3+0+0
MIS 522 Management and Organization Behavior	3+0+0
MIS 523 Quantitative Decision Making	3+0+0
MIS 524 Entrepreneurship and New Venture Creation	3+0+0
MIS 525 Legal and Ethical Issues in Computing	3+0+0
MIS 526 Financial Management	3+0+0
MIS 527 Managerial Accounting	3+0+0
MIS 529 E-Marketing	3+0+0
Administration Group Elective Courses (1 each)	
MIS 531 Emergency Management Information Systems	3+0+0
MIS 533 Leadership Theory and Practice	3+0+0
MIS 534 Operations Management	3+0+0
Total Program Credits (Thesis)	24

IT (NON-THESIS)

Compulsory Courses

MIS 500 Introduction to Computer Information Systems	0+0+0
MIS 501 Economy and Basics of Statistics	0+0+0
MIS 503 Accounting and Finance Basics	0+0+0
IT 572 Advanced Information System Analysis and Design	3+0+0
MIS 502 Client and Server Side Programming Languages	3+0+0
MIS 511 Management Information Systems	3+0+0
MIS 513 Project Management	3+0+0
MIS 580 Seminar	0+0+0
MIS 589 Term Project	0+0+0
Information Technologies Group Elective Courses (1 each)	
IT 511 Introduction to Operating Systems	3+0+0
IT 526 Database Design and Management	3+0+0
IT 565 Computer and Network Security	3+0+0
IT 571 Advanced Data Mining and Data Warehousing	3+0+0
Management Group Elective Courses (1 each)	
MIS 522 Management and Organization Behavior	3+0+0
MIS 523 Quantitative Decision Making	3+0+0
MIS 524 Entrepreneurship and New Venture Creation	3+0+0
MIS 525 Legal and Ethical Issues in Computing	3+0+0
MIS 526 Financial Management	3+0+0
MIS 527 Managerial Accounting	3+0+0
MIS 529 E-Marketing	3+0+0

Administration Group Elective Courses (1 each)

MIS 531 Emergency Management Information Systems	3+0+0
MIS 532 Technology Man. and Org. Transformation	3+0+0
MIS 533 Leadership Theory and Practice	3+0+0
MIS 534 Operations Management	3+0+0
Total Program Credits (Non-thesis)	36

GRADUATE PROGRAM IN TECHNOLOGY, SCIENCE AND SOCIETY (THESIS/NON-THESIS)

This program focuses on the development of information systems and the acquisition of those analytical skills and conceptual frameworks which are essential to studies in technology in today's world. Taking theoretical and empirical studies as their point of departure, courses in this program ensure that all studies are conducted with a keen awareness of the conceptual, social and historical contexts which define the subject of study. The program aims to:

- Link the fields of science and technology with society and culture, and examine the interaction that occurs between them by analyzing their complex interfaces.
- Encourage approaches which are open to dialogue between science/technology and society/cultural studies, history, philosophy and literature, with the aim of ensuring communications among these fields.
- Utilize abstraction, polarized and disconnected approaches to facilitate cross-field communications.
- Facilitate new understandings of science and approaches to science through analyses of theoretical foundations which take into account contextual, social and historical contexts, as opposed to approaches which are absolutist in nature and hence factual, outdated and universalist.

Compulsory Courses

TBT501 Introduction to Studies in Society, Science and Technology	3+0+0
TBT502 Philosophy of Science	3+0+0
TBT503 Interpreting the History of Science and Technology	3+0+0
TBT504 Information Policy	3+0+0
TBT505 Qualitative Research Methods	3+0+0

Elective Courses

TBT511	How is Science and Technology Implemented? Investigation of Laboratories	3+0+0
TBT512	Social Results of Technological Change and Economical Development	3+0+0
TBT513	Control of Science and Technology with Globalization	3+0+0
TBT514	Gender, Science and Technology	3+0+0
TBT515	Biology and Society	3+0+0
TBT516	Communication, Technology and Society	3+0+0
TBT517	Ethno-science	3+0+0
TBT518	Vernacular Architecture	3+0+0
Total Program Credits (Thesis)		21
Total Program Credits (Non-thesis)		30

ACADEMIC STAFF

Full Time Academic Staff

Prof.Dr. E.Füsun Alioğlu	(Preservation of Cultural Heritage)
Prof.Dr. Ayşe Hümeyra Bilge	(Financial Engineering)
Prof.Dr. Hasan Dağ	(Financial Eng,Information Tech.,Management Inf. Syst.,Technology,Science and Society)
Prof.Dr. Feza Kerestecioğlu	(Computer Engineering , Electronics Engineering , Industrial Engineering)
Prof.Dr. A.Bora Ocakçıoğlu	(Financial Engineering)
Prof.Dr. Abdülkadir Özdeğer	(Computer Engineering, Electronics Engineering, Industrial Engineering,Man. Inf.Syst..)
Prof.Dr. Erdal Panayırcı	(Computer Engineering , Electronics Engineering)
Prof.Dr. Önder Pekcan	(Information Tech., Management Inf.Syst., Computational Biology and Bioinformatics)
Prof.Dr. Nükhet Tan	(Information Tech, Management Inf.Syst.., Computational Biology and Bioinformatics)
Prof.Dr. Galip Gültekin Tepehan	(Computer Engineering , Electronics Engineering , Financial Engineering , Computational Biology and Bioinformatics,Management Inf.Syst..)
Prof.Dr. Zuhal Ulusoy	(Technology,Science and Society)
Prof.Dr. Kemal Yelekçi	(Information Tech., Technology,Science and Society, Comp. Biology and Bioinformatics)
Prof.Dr. Yücel Yılmaz	(Technology,Science and Society)
Assoc.Prof.Dr. Sedat Aybar	(Financial Engineering ,Technology, Science and Society)
Assoc.Prof.Dr. Zeki Ayağ	(Computer Eng.,Electronics Eng.,Technology, Science and Society, Industrial Eng.)
Assoc.Prof.Dr. Mehmet Hasan Eken	(Financial Engineering)
Assoc.Prof.Dr. Tekin Memiş	(Technology,Science and Society)
Assoc.Prof.Dr. Levent Soysal	(Technology,Science and Society)
Assoc.Prof.Dr. Metin Şengül	(Computer Engineering , Electronics Engineering ,
Assoc.Prof.Dr. Şule Toktaş	(Technology,Science and Society)
Asst.Prof.Dr.Demet Akten Akdoğan	(Information Tech, Comp. Biology and Bioinformatics)
Asst.Prof.Dr.Taner Arsan	(Electronics Engineering , Computer Engineering)

Asst.Prof.Dr. Maria Battarra	(Industrial Engineering)
Asst.Prof.Dr. Serhat Erküçük	(Electronics Engineering)
Asst.Prof.Dr.Tamer Dağ	(Computer Engineering , Electronics Engineering)
Asst.Prof.Dr.Yonca Kösebay Erkan	(Preservation of Cultural Heritage, Technology, Science and Society)
Asst.Prof.Dr.Tansal Güçlüoğlu	(Computer Engineering , Electronics Engineering)
Asst.Prof.Dr. Jeffrey Howlett	(Technology,Science and Society)
Asst.Prof.Dr.Cengiz Karagöz	(Computer Engineering , Electronics Engineering)
Asst.Prof.Dr. Burcu Balçık Koyuncu	(Industrial Engineering)
Asst.Prof.Dr. Mary Lou O'neil	(Technology,Science and Society)
Asst.Prof.Dr.A. Selçuk Öğrenci	(Computer Engineering , Electronics Engineering)
Asst.Prof.Dr.Atilla Özmen	(Computer Engineering , Electronics Engineering)
Asst.Prof.Dr.Funda Samanlıoğlu	(Industrial Engineering, Technology, Science and Society)
Dr. Christhophe Bisson	(Information Tech., Management Inf.Syst..)
Dr. Birgit Oberer	(Information Tech., Management Inf.Syst..)
Dr. Tuğba Arzu Özal	(Computational Biology and Bioinformatics)
Dr. Sezgin Seymen Çebi	(Technology,Science and Society)
Dr. Habib Şenol	(Computer Engineering , Electronics Engineering)
Dr. Baran Tander	(Computer Engineering , Electronics Engineering)
Dr. Ahmet Yücekaya	(Industrial Engineering)
Lecturer Işıl Yenidoğan Tiryakiler	(Information Tech., Management Inf.Syst.)

Part Time Academic Staff

Prof.Dr. Cengiz Kahraman	(Industrial Engineering)
Prof.Dr. Gülçin Büyüközkan Feyzioğlu	(Industrial Engineering)
Dr. Özge Kürkçüoğlu Levitas	(Computational Biology and Bioinformatics)
Prof.Dr. Tarcan Yılmaz	(Preservation of Cultural Heritage)
Prof.Dr. Uğur Tanyeli	(Preservation of Cultural Heritage)
Prof.Dr. Sait Başaran	(Preservation of Cultural Heritage)
Assoc.Prof.Dr. Berrin Alper	(Preservation of Cultural Heritage)
Asst.Prof.Dr.Faruk Tuncer	(Preservation of Cultural Heritage)
Asst.Prof.Dr.Nilüfer Hatemi	(Preservation of Cultural Heritage)
Prof.Dr. Yılmaz Akyıldız	(Financial Engineering)
Asst.Prof.Dr.Metehan İncegül	(Financial Engineering)
Dr. Vedat Mizrahi	(Financial Engineering)
Lecturer Umut Gümülcineli	(Financial Engineering)
Lecturer Levent Karadağ	(Financial Engineering)
Lecturer Salim Kasap	(Financial Engineering)
Lecturer Hakkı Sözen	(Financial Engineering)
Assoc.Prof.Dr. Mustafa Bağrıyanık	(Information Tech., Management Inf.Syst.)
Assoc.Prof.Dr. Abdullah Karaman	(Information Tech.,Management Inf.Syst.)
Asst.Prof.Dr. Songül Albayrak	(Information Tech., Management Inf.Syst.)
Dr. Nesim Avigdor	(Management Inf.Syst.)
Dr. Özgür Bozkurt	(Information Tech., Management Inf.Syst.)
Lecturer Cüneyt Kalpakoğlu	(Information Tech., Management Inf.Syst.)

Kadir Has University, Kadir Has Campus, Cibali 34083 İstanbul, Türkiye
Phone: +90 (212) 533 65 32 Fax: +90 (212) 631 91 50
www.khas.edu.tr