The MEM program is specifically designed for working individuals with an engineering background. It aims to equip its participants with the perfect blend of engineering skills and practical business knowledge. The program admitted its first students in the Spring semester of 1999-2000 academic year and delivered its first graduates in 2001. Currently the program has about 150 active students.

Since the beginning, we observe that MEM graduates significantly improve their ability to successfully lead the organizations they work for, with the improved awareness of financial aspects, risks and trade-offs associated with the decisions they have to make. For engineers with a managerial position in mind, the MEM program is an excellent choice.

Ömer Kırca, Program Director

**Faculty Members**

- Z. Müge Avşar, Ph.D., Rutgers, The State University of New Jersey
- Meral Azizoğlu, PhD, METU
- İsmail Serdar Bakal, PhD, University of Florida
- Z. Pelin Bayındır, PhD, METU
- Canan Çilingir, PhD, Ege University
- Serhan Duran, PhD, Georgia Institute of Technology
- Metin Durgut, PhD, State University at Stony Brook
- Sinan Gürel, PhD, Bilkent University
- Çağlar Güven, PhD, Lancaster University
- Cem İyigün, PhD, Rutgers, The State University of New Jersey
- Esra Karasakal, PhD, METU
- Sinan Kayalıgil, PhD, Louisiana Tech University
- Ömer Kırca, PhD, Georgia Institute of Technology
- Gülser Köksal, PhD, North Carolina State University
- Murat Köksalan, PhD, State University of New York at Buffalo
- Sedef Meral, PhD, METU
- Adil Oran, PhD, Texas Tech University
- Nur Evin Özdemirel, PhD, Arizona State University
- Seçil Savaşaneril, PhD, Georgia Institute of Technology
- Canan Sepil, PhD, University of Florida
- Yasemin Serin, PhD, University of North Carolina
- Haldun Süral, PhD, METU

**EM 599 Term Project**

The EM 599 Term Project is conducted individually or in groups of two students under the supervision of a MEM faculty member in one semester. Project topics are often based upon real life cases to which known solution techniques can be applied and systems approach can be used. Working students are encouraged to choose their project topics from their organizations.

**List of Sample Projects**

- Minimizing the Cost of Banknote Printing in the Central Bank of Turkey, Supervised by S. Savaşaneril.
- Design of an International Dealer Performance Evaluation System for a Construction Machinery Manufacturer, Supervised by G. Köksal.
- Stock Market Analysis Using Clustering, Supervised by C. İyigün.
- Avoiding the Delay in Completion of Jumeirah Villages Project, Supervised by Ö. Kırca.
- Reducing Lead Scrap in Yiğit Akü, Supervised by P. Bayındır.
- Sales Forecasting of GNC Products, Supervised by E. Karasakal.
- Examining the Capacity Losses in the FMS Lines of Engine Block Production Line in Türk Traktör Factory, Supervised by C. Sepil.
- Blending Problem in TÜPRAŞ Kırıkkale Refinery, Supervised by E. Karasakal.
- A Regressing Model to Estimate the Unit Cost for Mass Housing Projects of TOKİ, Supervised by Y. Serin.
Operations
Supply Chain Management
Applications of Decision Making
Strategic Planning
Logistics
Total Quality Management

Term
Systems and Technology Management
Qualitative Methods for Management
Special Topics in EM

Decision Support Systems
Finance for Engineering Management
Project Management

MEM Program Structure and Degree Requirements

• The non-thesis program consists of ten credits: four courses and a capstone project. Of the ten courses, five are required and five are electives.
• The maximum duration to complete the program is six semesters. This duration can be extended with special permission.

• Students who complete the program successfully will receive the "Master of Science in Engineering Management" degree of the Faculty of Natural Sciences and Engineering.
• The non-thesis program with tuition fee consists of ten courses, a capstone project and a seminar course in which the students will present their projects. Of the ten courses, five are required and five are electives.

• The Graduate Admission Examination (ALES), or an equivalent GRE score. The current minimum score in ALES is 75.
• A letter of purpose explaining the goals of the candidate.