

<b>INFORMATION ON COMPUTER ENGINEERING MASTER DEGREE PROGRAM</b>	
<b>General Information</b>	<p>TOBB ETÜ M. S. program in Computer Engineering Program, founded in 2004 gave its first graduates in 2008. There are currently 13 faculties in the department. The faculty does research mostly in the areas of computer architecture, cryptography, computer security, human computer interaction, computer vision, image processing, data mining, bioinformatics, computational geometry, algorithmic game theory, theoretical computer science, robotic, and software engineering.</p> <p>There are two programs, namely, Thesis and non-Thesis. Thesis and non-Thesis programs require taking 7 and 10 courses (9 ECTS each), respectively. Students can take some courses from outside of the department and can also take a limited number of 4xx level courses. Thesis students are also required to the BIL 597 Graduate Seminar (8 ECTS) and BIL 599 Master of Science Thesis course (60 ECTS). Finally all thesis and non-thesis students are required to take the FBE 600 Scientific Research Techniques and Publication Ethics course. More information can be obtained from the Graduate School web site (link: <a href="https://www.etu.edu.tr/enstitu/fen-bilimleri-enstitusu">https://www.etu.edu.tr/enstitu/fen-bilimleri-enstitusu</a>)</p>
<b>Program Purpose</b>	The purpose of the M.S. Program in Computer Engineering is to educate successful engineers that are capable of leadership in serving the science and humanity and are strong in adapting to the ever-changing world.
<b>Degree Earned</b>	Master of Science in Computer Engineering
<b>Level of Degree Earned</b>	Computer Engineering is a First-Cycle (Bachelors Degree – EQF 7) program.
<b>Requirements and Rules of the Degree Earned</b>	Graduation requirements are defined according to Article 45 of the Undergraduate Education and Examination Regulation (link: <a href="http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=8.5.15287&amp;MevzuatIlski=0&amp;sourceXmIsearch=">http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=8.5.15287&amp;MevzuatIlski=0&amp;sourceXmIsearch=</a> ). For graduation the thesis student should a) successfully complete at least 90 credits of courses, BIL 597 Graduate seminar, FBE 600 Scientific Research Methods and Publication Ethics within the maximum allowable time period b) obtain a GPA of 3.00/4.00.
<b>Registration Admission Requirements</b>	Student quota of our undergrad programs are determined by the board of regents after a suggestion by the Senate and subject to the approval of the Higher Education Council (YÖK). Acceptance of candidate students is according to the ÖSYM exam scores. Acceptance of foreign students are carried out according to the rules determined by the Senate. Acceptance of horizontal and vertical transfer students and special/guest/exchange students are regulated by the departmental and faculty administrative boards according to Undergraduate Education and Examination Regulation (link: <a href="http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=8.5.15287&amp;MevzuatIlski=0&amp;sourceXmIsearch=">http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=8.5.15287&amp;MevzuatIlski=0&amp;sourceXmIsearch=</a> )
<b>Recognition of Prior Learning</b>	courses taken in a quitted previous higher education program. The substitution of the courses taken in a previous program, its equivalency and suitability with the courses in the program are evaluated at the Departmental and Engineering Faculty Boards. In case of approval of substitution, the course is substituted with its letter grade. In case of vertical
<b>Examinations, Assessment and Grading</b>	Evaluation and assessment methods used for each course are defined according to Article 22 of the Undergraduate Education and Examination Regulation (link: <a href="http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=8.5.15287&amp;MevzuatIlski=0&amp;sourceXmIsearch=">http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=8.5.15287&amp;MevzuatIlski=0&amp;sourceXmIsearch=</a> ). Except the project and laboratory courses, which do not necessarily require an examination, all courses require at least a midterm and a final exam. Final exams are applied in a specific period of time indicated in the Academic Calendar. Final exam period and classrooms are determined by the Rectorate.
<b>Teaching Style</b>	The style of education is Full-Time and Day-Time. Most of the courses are given in classrooms.
<b>Graduation Requirements</b>	Graduation requirements are defined according to Article 45 of the Undergraduate Education and Examination Regulation (link: <a href="http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=8.5.15287&amp;MevzuatIlski=0&amp;sourceXmIsearch=">http://mevzuat.basbakanlik.gov.tr/Metin.Asp?MevzuatKod=8.5.15287&amp;MevzuatIlski=0&amp;sourceXmIsearch=</a> ). For graduation the thesis student should a) successfully complete at least 90 credits of courses, BIL 597 Graduate seminar, BIL 599 Master's Thesis and FBE 600 Scientific Research Methods and Publication Ethics within the maximum allowable time period b) obtain a GPA of 3.00/4.00. For graduation the student has to publish a conference paper.

<b>Occupational Profiles of Graduated-Employment Opportunities</b>	Our MS program has around 150 graduates so far. Most of our graduates either continue their academic careers or work in industry as R&D, software, or test engineers. Our graduates mostly work in software, information, defense, space/aviation, telecommunications industries or in public sectors. Companies like ASELSAN , ROKETSAN, TÜBİTAK, TAI, ARÇELİK, TÜRK TELEKOM, SDT, HAVELSAN, technopark or universities are the ones that employ most of our graduates.
<b>Transition to a Upper Degree</b>	Candidates that successfully finished their Bachelor's program are required to obtain a minimum 55/100 ALES score and a minimum 50/100 English score in order to be accepted to graduate programs. The graduate school also provides tuition remission and stipend to a limited number of candidates with higher scores. International candidates can also apply with a GRE score instead of ALES. Application requirements for graduate programs are listed in detail in the Graduate School web page.(link: <a href="https://www.etu.edu.tr/enstitu/fen-bilimleri-enstitusu/basvuru-bilgileri">https://www.etu.edu.tr/enstitu/fen-bilimleri-enstitusu/basvuru-bilgileri</a> )



<b>Program Yeterlilikleri</b>	
<b>1</b>	Analytical thinking skills
<b>2</b>	Ability to find algorithmic and effective solutions to real life problems
<b>3</b>	Ability to adapt to new technologies
<b>4</b>	Software or process design skills to meet the requirements
<b>5</b>	Ability to apply math, science and engineering knowledge
<b>6</b>	Interdisciplinary ability to work
<b>7</b>	Observing social, scientific and ethical values in all professional and scientific activities
<b>8</b>	The necessity of life-long learning is knowing and practicing ability
<b>9</b>	Ability to develop and use the techniques, abilities and modern tools necessary for engineering applications
<b>10</b>	To develop new and original ideas and methods; develop innovative solutions in system and software design



FBE 600	Scientific Research Techniques and Publishing Ethics	0	0	0	0	0	0	5	0	0	0
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