

BULLETIN

Budapest University of Technology and Economics
2006–2007

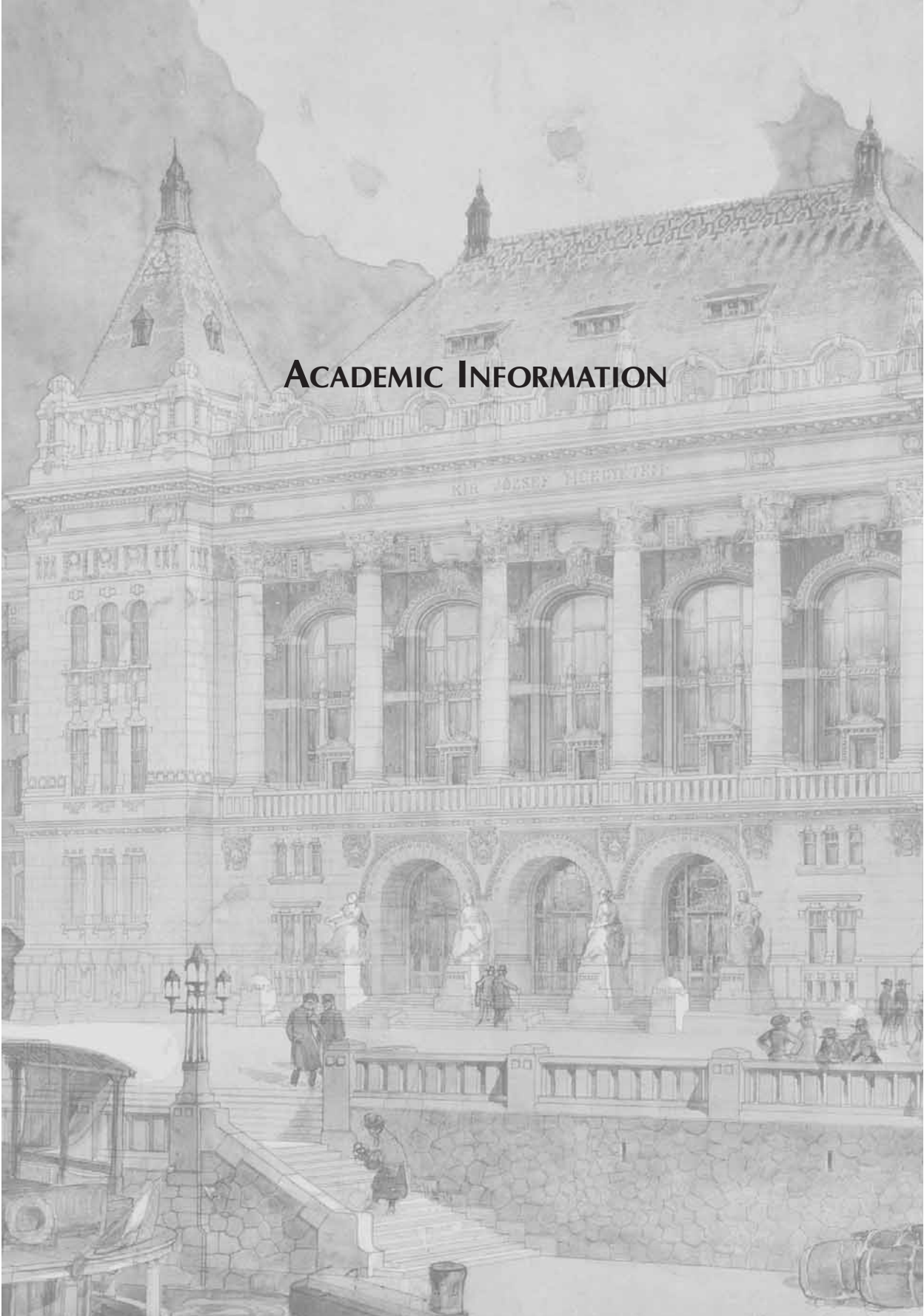
An ECTS Guide



M Ű E G Y E T E M 1 7 8 2

Engineering Programs in English
<http://www.tanok.bme.hu>

ACADEMIC INFORMATION



Full-Time Degree Programs

The Budapest University of Technology and Economics offers degree programs in both Hungarian and English, and most students from abroad choose to study in English. This Bulletin describes all the programs and courses conducted in English throughout the university's eight faculties.

The programs taught in English generally lead to the B.Sc. degree in four years and to the M.Sc. degree in two additional years. The postgraduate Ph.D. program is individualised and requires min. three years of combined course work and research.

B.Sc. Degree

Taking into consideration that students arrive from many countries and a variety of backgrounds, all freshmen take a Placement Test in the second week of their academic program. Based on the results of this test, students will either be accepted into the first year of a B.Sc. program or advised to join the two-semester Pre-Engineering Course (see description in this bulletin).

The six engineering faculties offer B.Sc. degree program seven or eight semesters depending on the faculty. The programs provide the scientific fundamentals, such as mathematics, physics, computing, mechanics, engineering drawing and chemistry, needed for a chosen field of engineering. They also provide a thorough knowledge of practical engineering and offer opportunities for specialisation. Experimental work in well-equipped laboratories is emphasised.

The B.Sc. degree programs usually consist of opportunities for specialisation that differ from faculty to faculty. Faculties divide their programs into branches with compulsory electives and offer optional elective subjects as well. For details, see the individual faculty descriptions and their curriculum tables in this Bulletin.

The hours of instruction range from 26 to 32 hours per week. Some variation occurs from faculty to faculty and also during the last semester when students work on their final projects. Students typically take 5 to 6 exams each semester. In addition, students are required and encouraged to participate in active research and design in the project laboratories and to develop their abilities to do independent research.

On successful completion of the curriculum final exams and the final project, a student will be granted a B.Sc. degree, which certifies its holder's ability to be engaged in engineering production work.

M.Sc. Degree

Students who already hold a B.Sc. degree or its equivalent, can pursue an M.Sc. degree in the same field of study at the Budapest University of Technology and Economics. Acceptance and placement is based on the student's academic credentials and current level of knowledge (of English language, as well), which is assessed on the student's arrival. Some M.Sc. programs offer refresher courses or preparatory semesters so students can upgrade their knowledge in relevant engineering subjects. Applicants must submit transcripts and, if they have been employed since graduation, details of their professional experience.

Students generally follow an approved curriculum, but elective subjects allow for personal interests. Courses are run for small groups (*min. five members*) and the students are expected to work individually under the direction of a personal tutor. Students have free access to laboratories, research facilities and computers. M.Sc. program is generally 4 semesters, i.e. 2 years in duration and consists of 26 hours of instruction per week and 5 examinations per semester. After the successful completion of a thesis and final exams the M.Sc. degree is granted which enables its holder to do research and solve high level engineering tasks.



Ph.D. Programs

The Budapest University of Technology and Economics is a strongly research oriented university that has conferred doctoral degrees since the nineteenth century in various fields of engineering.

The academic staff of our University are doing research in almost all engineering disciplines, related applied sciences, and in a few areas of the social sciences as well. Ph.D. candidates are welcome to take part in this research work in order to prepare for the Ph.D. procedure.

A Ph.D. at the Budapest University of Technology and Economics is a degree that can be earned by sufficiently proving the candidate's ability for selfstanding scientific work that must be

demonstrated by writing a thesis summarising the candidate's research results. Furthermore, it is necessary to pass a set of qualifying examinations in some basic and applied sciences related to the field of the submitted thesis. Candidates are to publish their results prior to the submission of their theses.

Applicants for the Ph.D. program must hold an M.Sc., M.Phil. or equivalent degree issued by an academic institution and must possess an overall understanding of, and a high competence in, their field of knowledge, and be familiar with cognitive disciplines. They must also be capable of using research techniques. Admission requirements include excellent grades (mainly or exclusively A's), an excellent M.Sc. (or equivalent) final project, and/or the achievement of good initial results in research – depending on the length of period between the obtaining of the Master's degree and the time of the application. Applicants working on their Master's project can be admitted conditionally. For applicants who have already spent a few years in scientific or engineering practice since their first postgraduate degree, their achievements during this time will be considered in addition to their graduation results. Besides their professional achievements, applicants should also demonstrate a sense of responsibility for the advancement of scientific knowledge.

Ph.D. candidates carry out their studies and research on an individual basis under the guidance of a professor or a senior member of the academic staff at the faculty concerned. This research work must contribute to scientific knowledge in general and it must be recognized as such by the international scientific community. In order to prove this, doctoral candidates must present their research results at national and international conferences and symposia and they are expected to publish the significant and major achievements of their works in internationally referred professional periodicals. (Conference proceedings papers are usually accepted only as partial fulfillment of the requirement to publish one's results properly.)

Besides the research work, the Ph.D. supervisor usually recommends the participation in various courses related to the research topic. In such a case, the appropriate examinations must be successfully completed, the results of which will be documented in the transcripts of the candidate. Similarly, the advancement in individual study and research will be documented on a semester basis by the supervisor.

Work towards a Ph.D. degree requires at least 3 years (6 semesters) of study. This time might be considerably longer, depending on the topic and the candidate's personal diligence. It is possible to set individual Ph.D. study plans for candidates who spend a part of their preparation period at another institution, e.g. their own original research oriented affiliation or another university.

Upon completing all necessary work for the Ph.D. thesis, this dissertation must be prepared according to the formal requirements in the Doctoral Code of the Budapest University of Technology and Economics.

According to the procedural code of our university, every Ph.D. candidate must apply to the Doctoral Board of the specific faculty as an individual, although the recommendation of the supervising professor and department, including the attachment of the protocol of the departmental public presentation of the thesis (including the comments and recommendations of several departmental and/or internal referees, and other professional experts of the field) is a requirement.

The doctoral board will appoint an independent examination board for each candidate which consists of the President, two examiners and several jury members. Final decision lies on this board, which will hear the public presentation and defense of the thesis work and the subject's examination.

The conferred degree is declared and testified by a corresponding Ph.D. diploma at the next solemn ceremony of the university by the Dean of the faculty concerned.

Additional Academic Opportunities

In addition to full-time degree programs in all eight faculties, the Budapest University of Technology and Economics offers several other courses:

- One-semester programs, special interest courses, credit or non-credit programs can be organised for students who wish to study for just one semester. Special interest courses can be set up for groups of 10-15 students. A Hungarian and Central European Studies program is often organised for international students during a semester-abroad program (see description of courses under Hungarian and Central European Studies program in this bulletin).
- Language courses for regular students in English, Hungarian, French, German and Russian languages at beginner, intermediate and advanced levels. The English course can be credited toward the Cambridge First Certificate and TOEFL (see Language Course descriptions under the Faculty of Economic and Social Sciences).
- Two-semester Pre-Engineering Course (see separate description in this bulletin).
- One-semester or two-semester student exchange programs.

The Erasmus Students

The higher education action of SOCRATES, the community action program in the field of education, entitled Erasmus, seek to enhance the quality and reinforce the European dimension of higher education by encouraging transnational cooperation between universities, boosting European mobility and improving the transparency and full academic recognition of studies and qualifications throughout the European Union. Erasmus provides mobility grants to many thousands of students and teachers, but is also concerned with enhancing the European dimension of studies for those students and teachers who do not directly participate in exchanges. Erasmus is open to all types of higher education institutions and addresses all disciplines and levels of studies, up to and including the doctorate.

Support under ERASMUS can only be applied for within the Institutional Contract Application of each university. Universities wishing to receive Erasmus funds for student mobility grants or teaching staff mobility grants, must apply for it as a part of their Institutional Contract Application.

The objectives of Erasmus student mobility are:

- to enable students to benefit linguistically, culturally and educationally from the experience of other European countries and of their academic fields of study;
- to enrich the educational environment of the host institution;
- to promote cooperation between institutions which exchange students;
- to contribute to the enrichment of society in general by developing a pool of well-qualified, open-minded and internationally experienced young people as future professionals;
- to contribute to the costs of mobility and to enable students to spend a study period abroad, when they would otherwise not be able to do so.



Eligibility Criteria (to be considered an Erasmus student)

Students undertaking a program of study at a partner university in the framework of an Institutional Contract under Erasmus are regarded as Erasmus Students provided the following conditions are fulfilled (regardless of whether or not they actually receive an Erasmus student mobility grant):

- the students have completed at least their first year of university studies;
- the students are registered in a formal program of study at higher education level, leading to a degree or diploma up to and including doctoral level, recognised according to the procedures of the participating country concerned;
- the exchanges of the students proposed for mobility are based on inter-university agreements;

- the period of study undertaken at the partner institution is between three months and a year;
- the study period abroad is an integral part of the program of study at the home university;
- full academic recognition is given for the study period abroad, i.e. the home university is committed to ensuring that the period of study undertaken abroad (including examinations or other forms of assessment) is recognised as replacing a comparable period of study (likewise including examination or other forms of assessment) at the home university even though the content may differ; the student must be informed in writing about the content of the courses to be followed abroad. At the end of the period of study abroad, the host university should provide the incoming student and the sending university with a transcript confirming that the agreed program of study has been completed and listing the student's results;
- no university fees (for tuition, registration, examinations, access to laboratory and library facilities etc.) are to be paid at the host institution. The sending institution may continue to charge university fees to its outgoing students;
- the student must have acquired a sufficient knowledge of the language in which the courses to be attended will be taught,
- a study abroad period under Erasmus may include a work placement, provided that the work placement is followed or preceded by a minimum period of study abroad of three months and that it is recognised as an integral part of the student's program by his/her home university. This implies that the host and home universities play an active role in organising and supervising the placement.

The European Credit Transfer System (ECTS)

The education system of the University has been significantly changed in the early 90s. The former fixed curricula has changed to credit systems. The faculties opened their doors for students from other faculties and universities, so the students can now freely select their subjects and modules. This makes easy for them to study abroad, since the topics they study at any other University can be accepted.

The ECTS – European Credit Transfer System – was developed by the European Commission in order to provide common procedures to guarantee academic recognition of studies abroad. It provides a way of measuring and comparing learning achievements and transferring them from one institution to another.

The ECTS system is based on the principle of mutual trust and confidence between the participating higher education institutions. The agreement between the home and host institutions establishing the program of study to be taken (Learning Agreement), the use of credit units to indicate the student's work load (ECTS credits) and the use of a Transcript of Records, which shows the student's learning achievements in a way which is commonly understood and easily transferable from one institution to another, are set out to reinforce the mutual trust and confidence.

The ECTS students will receive full credit for all academic work successfully carried out at any of the ECTS partner institutions and they will be able to transfer these credits from one participating institution to another on the basis of prior agreement on the content of study programs abroad between the institutions involved.

In this Bulletin you will find a description of the courses offered, along with some practical information, so that you can prepare your study period at our University. Remember that one semester is worth about 30 ECTS credit points and a year - 60 ECTS credit.

International students wanting to spend an academic period in Budapest in the frame of ERASMUS program must be members of the partner institutions of the Budapest University of Technology and Economics (BME). Applications must be sent to the International Education Centre of BME by their institution; no individual request can be considered.

Useful addresses for ERASMUS students:

Budapest University of Technology and Economics
Department of Research and International Relations
Socrates/Erasmus Office

Phone: (+36-1) 463-2237, 463-1622

Fax: (+36-1) 463-1026

e-mail: socrates@mail.bme.hu

<http://www.bme.hu>



Socrates
Erasmus

Call our SOCRATES/ERASMUS Office, if you have any difficulty. We are here to help you.

Academic Policy and Procedures

A detailed description of the academic policy and procedures of the University affecting the Engineering Programs in English is published in a booklet entitled "Academic and Examination Regulations for International Students". A copy of this booklet is given to each new student in order to avoid misunderstanding during their studies. Students can also turn to the Students Office for further help about the policy and procedures of the university.

Admission

Admission Requirements for the Pre-Engineering Course in English

- Secondary High School Certificate with good results (min. 50%), especially in mathematics, physics and English Language. Applications must be accompanied by notarized official English translations of all transcripts. Unofficial copies are not accepted.
- Proof of English language proficiency at one of the following levels is recommended if school reports do not contain English language as a subject:
 - a) TOEFL test score of 550 or the new computer based score 213,
 - b) Cambridge First Certificate "B",
 - c) ELTS score of 5.0

Admission Requirements for B.Sc. Programs in English

- Secondary High School Certificate with good results (min. 70%), especially in mathematics, physics and English. Applications must be accompanied by notarized official English translations of all transcripts. Unofficial copies are not accepted.
- Proof of English language proficiency at one of the following levels is recommended if school reports do not contain English language as a subject:
 - a) TOEFL test score of 550 or the new computer based score 213,
 - b) Cambridge First Certificate "B",
 - c) ELTS score of 5.0

A Placement Test is given to all B.Sc. freshmen to determine the level of their mathematics, physics and English language skills. Those students who do not meet the requirements will be referred to the Pre-Engineering Course, which provides two semesters of intensive instruction (see Pre-Engineering Course description in this Bulletin).

Admission Requirements for M.Sc. Programs in English

- B.Sc. degree or its equivalent, (with notarized official English translations of all transcripts. Unofficial copies are not accepted.)
- Average grades of "B" or better (depends on faculty requirements)
- Proof of English language proficiency at one of the following levels:
 - a) TOEFL test score of 550 or the new computer based score 213,
 - b) Cambridge First Certificate "B",
 - c) ELTS score of 5.0

Acceptance will be decided by the dean of the faculty. A one- or two-semester program of transition or refresher courses (Pre-M.Sc. Course) may be recommended prior to the M.Sc. Program. Courses run for small groups min. 5 members.

Admission Requirements for Ph.D. Programs in English

- M.Sc., Dipl. Ing. degree or its equivalent, (with notarized official English translations of all transcripts. Unofficial copies are not accepted.)
- Excellent grades in the transcripts and the final exams including the diploma project (thesis).
- Proof of English language proficiency at one of the following levels:
 - a) TOEFL test score of 550 or the new computer based score 213,
 - b) Cambridge First Certificate "B",
 - c) ELTS score of 5.0

Acceptance will be decided by the Doctoral Board of the Faculty.

Application Procedure

Application deadlines:

- 1st June 2006 for the first semester (Fall) of 2006/2007 academic year (for Pre-Engineering Course, B.Sc., M.Sc. and Ph.D.)
- 1st December 2006 for the spring semester of the 2006/2007 academic year for the Pre-Engineering Course

Applications are considered complete and will be processed only if they include all the listed documents.

The following items should be submitted for admission to:

B.Sc. Programs and the Pre-Engineering Course:

- Application form completely filled (be sure that your personal data appear correctly as are in your passport)
- Copy of applicant's passport
- Six recent photographs
- Proof of payment of Application Fee of EUR 100 (non-refundable), draft cheque or bank transfer (see Tuition Payments and Banking)
- Secondary high school reports relevant to your application, with special reference to mathematics, physics and English language ability.
- Curriculum vitae (CV / autobiography / resume)
- General certificate of education (G.C.E.) or equivalent secondary high school diploma
- One of the following documents of English language proficiency (recommended only):
 - a) TOEFL test score of 550 or the new computer based score 213,
 - b) Cambridge First Certificate "B",
 - c) ELTS score of 5.0

M.Sc. Programs:

- Application form completely filled (be sure that your personal data appear correctly as are in your passport)
- Copy of applicant's passport
- Six recent photographs
- Proof of payment of Application Fee of EUR 100 (non-refundable), draft cheque or bank transfer (see Tuition Payments and Banking)
- B.Sc. degree or its equivalent, (with notarized official English translations of all transcripts. Unofficial copies are not accepted.)
- Curriculum vitae (CV / autobiography / resume)
- Letters of recommendations (depending on the faculty requirements)
- One of the following documents of English language proficiency:
 - a) TOEFL test score of 550 or the new computer based score 213,
 - b) Cambridge First Certificate "B",
 - c) ELTS score of 5.0

Ph.D. Programs:

- Application form completely filled (be sure that your personal data appear correctly as are in your passport)
- Copy of applicant's passport
- Six recent photographs
- Proof of payment of Application Fee of EUR 100 (non-refundable), draft cheque or bank transfer (see Tuition Payments and Banking)
- M.Sc. degree or its equivalent, (with notarized official English translations of all transcripts. Unofficial copies are not accepted.)
- Curriculum vitae (CV / autobiography / resume)
- Letters of recommendations (depending on the faculty requirements)
- One of the following documents of English language proficiency:
 - a) TOEFL test score of 550 or the new computer based score 213,
 - b) Cambridge First Certificate "B",
 - c) ELTS score of 5.0
- Study Plan

NOTE: Exchange students (Erasmus/Socrates students) do not pay application fees.

IMPORTANT: Notarised English translations are required for all written documents except passports. All documents should be enclosed in validated notarised copies.

Application forms for all the programs listed in this Bulletin are available on the Internet at www.tanok.bme.hu or from the Registrar's Office.

Application Address

**Budapest University of Technology and
Economics**
International Education Center
Registrar Office
 H-1111 Budapest,
 Bertalan Lajos utca 2.
 Building Z
 Hungary



Phone: (+36-1) 463-3548
 (+36-1) 463-3981
 Fax: (+36-1) 463-2460
 E-mail: admission@tanok.bme.hu
<http://www.tanok.bme.hu>

Visa

Please note that every new student who is a non-EU citizen has to obtain a "D-5" type Residence / Student Visa to study at the Budapest University of Technology and Economics, before departure from the home country.

Tuition Payments and Banking

To apply for the "D-5" Residence/Student Visa to Hungary, in the home country of the student, proof of payment of the tuition fees (together with the proof of acceptance by the university) is required.

Tuition fees should be paid before 1st July 2006 for the first Fall semester beginning in September, and 1st January 2007 for the Spring semester of the Pre-Engineering Course beginning in February 2007.

Note: The student's sponsor must declare that funds are available to guarantee the student's living expenses as well as tuition fees while studying at the Budapest University of Technology and Economics.

	<i>for non-EU citizens</i>	<i>for EU citizens</i>
Undergraduate Tuition Fees – for the Pre-Engineering Course	EUR 3,200 per semester	EUR 3,200 per semester
Undergraduate Tuition Fees – leading to B.Sc. degree	EUR 3,200 per semester	EUR 2,250 per semester
Graduate Tuition Fees – leading to M.Sc. degree for graduates from external higher education institutions	EUR 3,500 per semester	EUR 3,200 per semester
Graduate Tuition Fees – leading to M.Sc. degree for graduates of BME continuing the studies according to the Curricula	EUR 3,200 per semester	EUR 2,750 per semester
Postgraduate Tuition Fees – leading to Ph.D. or DLA degree	From EUR 4,500 per semester, depending on the character of the research and course programs.	From EUR 4,500 per semester, depending on the character of the research and course programs.
Tuition Fees for special students – courses leading to no degree	EUR 110 per credit points (min. 12 hours per week)	EUR 110 per credit points (min. 12 hours per week)

NOTE: The university will not allow students to enroll, continue in their studies or graduate unless all fees are paid and all financial obligations to the university are discharged.

How to Pay Application Fee and Tuition Fees

1. If you choose **bank transfer** of the fees, the bank details are as follows:

Bank name: National Bank of Hungary
 Bank address: H-1850 Budapest,
 Szabadság tér 8/9.
 Hungary
 Bank Account Number: 10032000-01425279-00000000
 Swift Code: MANEHUHB
 IBAN Code: HU78 1003 2000 0142 5279 0000 0000

Beneficiary's name: Budapest University of Technology and Economics
 Beneficiary's address: H-1111 Budapest
 Bertalan Lajos utca 2.
 Hungary

Information for beneficiary: student's name and **registration number**

2. You can choose to send a **draft cheque** in favour of the Budapest University of Technology and Economics (**BME**)

Late Tuition Payments: Tuition fees which are not actually in the university bank account before the first day of the semester are considered late. **In case of late payment of tuition fees, the university reserves the right to refuse enrolment.**

The following condition applies to the case of late tuition payment:

BME will not assist students, who are late in paying their tuition fees, in acquiring or renewing their residence permits.

Overpayment: Tuition fees are generally not refundable except in cases of overpayment. The amount overpaid will be refunded to the student in the original currency through the National Bank of Hungary. The overpayment may be reserved for the following semester's tuition fees.

Reduction of Tuition Fees for Excellent Performance: The Director of the International Education Center will consider requests for reduced fees from students who achieved an average of 4.5 (out of 5.00) or better in the previous year. Students must first submit a request to their faculty. A faculty is limited choosing only one student whose request can be forwarded to the International Education Center. Reductions will not exceed 30% and the faculty will inform the student about the decision.

Banking: Bank accounts for students may be opened at many banks in Hungary in the currency of their choice. Major credit cards are also widely accepted in Hungary.

Some banks in Hungary where foreign currency accounts can be opened:

ERSTE Bank (*situated in the campus of BME*)

H-1111 Budapest
 Goldmann György tér 1-3.
 Phone: (36-1) 463-3722

OTP Bank

H-1055 Budapest
 Nádor u. 16.
 Phone: (36-1) 353-1444

K & H Bank

H-1051 Budapest
 Vígadó tér 1.
 Phone: (36-1) 328-9000, (36-1) 267-5000

Hungarian Foreign Trade Bank (MKB)

H-1056 Budapest
 Váci u. 38.
 Phone: (36-1) 269-0922

Medical Requirements

New students must have a medical check-up at the beginning of the academic year unless they bring documents required and accepted in Hungary. The staff of the Students' Office provide information on check up arrangements for the students concerned upon registration. (See Academic Calendar in this bulletin for time of medical check-up.) This medical check-up serves as the basis of health insurance.

Registration

Registration for the fall semester will take place from 28 August to 8 September 2006. All students should come and register in the Students Office of IEC within 48 hours after the arrival. It is necessary for the residence registration. Late comers may register until the the end of second week of the semester with a late-fee.

Address: H-1111 Budapest, district XI, Bertalan Lajos utca 2. Building Z, ground floor.

Non-EU citizens should have a D5 type student/resident visa.

EU citizens must apply for a residence permit after registration.

Important: All newly enrolled 1st year students must write the Placement Test - see the Academic Calendar - (except those who are exempted) on 18th to (20th) September 2006. Students who arrive after 18th September, may join the Pre-Engineering Course only.

Freshmen are strongly recommended registering on the first week (28 August–1 Sept.) because between 4th-8th of September there will be Mathematics and Physics classes in order to prepare for the Placement Test.

Orientation Program

Between 6th and 9th September 2006, for newly enrolled 1st year and pre-engineering students as well as for exchange, transfer, M.Sc. or Ph.D. students. The program includes introductory lectures, informal meetings with students and teachers, access to Internet and the library, a sport event and a sightseeing tour.

Examinations, Grades and Transcripts

Examinations: The 14-week Fall and Spring semesters are followed by 4-6 week examination periods. Students should complete all term assignments, lab reports, designs and other assigned work before the examination periods start. They should also have a recorded mark for their term work or have obtained their instructor's signature (in the Transcript Book) to indicate satisfactory completion of the term. Academic and Examination Regulations permit a limited number of repetitions of failed exams.

Transcripts: Term grades, examination results, credit points and WGPA are entered in each student's Transcript Book. The Transcript Books, which are in the student's possession (unless there is other faculty regulation), during the examination period, must be given to the Office of Academic Affairs (building Z, 2nd floor # 201) during registration for the next semester. Extracts from the Transcript Book may be requested from the same office.

Final Project and Graduation Requirements

B.Sc. and M.Sc.: Final projects are prepared during the last semester following the requirements of the student's specific study program. Final projects consist of a practical project or a design with a thesis describing it. The projects are prepared under the guidance of one of the appointed departments. Final projects or theses must be defended before the Final Examination Board. The board usually consists of professors and eminent specialists in the profession related to the student's work.

In order to graduate from the Budapest University of Technology and Economics, students must have qualified for their absolutorium or university leaving certificate. This means that they have successfully passed all exams and completed all the required practical and research assignments and have also successfully defended their final project or thesis before the Final Examination Board.

The English language is a criterion subject of the curriculum of the faculties. Good knowledge of English is a requirement of admission in both B.Sc. and M.Sc. programs.

2006/2007 ACADEMIC CALENDAR

Fall Semester: 1st Year, Pre-Engineering, and Exchange Students

Registration in Bldg. Z (ground floor), Students' Office (after payment of tuition fees)	28 Aug. - 8 Sept.
Appointments for obligatory medical check-up necessary for health insurance	28 Aug. - 8 Sept.
Preparatory classes (Maths, Physics) for Placement Test	4 Sept. - 8 Sept.
Orientation program	
Freshmen and Pre-Engineering students	6 Sept. - 9 Sept.
Exchange students	6 Sept. - 9 Sept.
Presentation of schedules for freshmen in Bldg. Z/06	11 Sept., 7:45 a.m.
First day of classes	11 Sept., 8:15 a.m.
Placement Tests (Math, Physics, English)	18 Sept. - 20 Sept.
Placement Test results posted outside Student's Office, Bldg. Z ground floor	22 Sept., 1 p.m.
Registration for Pre-Engineering Course, Bldg. Z Room 202/B	25 Sept., 1 p.m.
Pre-Engineering classes begin	2 Oct.
Last day of classes for freshmen and Exchange Students	15 Dec.
Day off for all students:	23 Oct., 1 Nov.
Examination period for freshmen (including repeated exams)	18 Dec. 2006 - 2 Febr. 2007
Last day of classes and examinations for Pre-Engineering students	26 Jan. 2007
Winter holidays	22 Dec. 2006 - 2 Jan. 2007

Fall Semester: 2nd and Higher Year Students

Registration in Bldg. Z Room 201	28 Aug. - 8 Sept.
First and last days of classes (check with your Faculty)	11 Sept. and 15 Dec.
Winter holidays	22 Dec. 2006 - 2 Jan. 2007
Examination period (check with your Faculty)	18 Dec. 2006 - 2 Febr. 2007

Spring Semester: All Students

Week of Registration for all students	5 Feb. - 9 Febr. 2007
Orientation for exchange and transfer students	7 Feb. - 9 Febr. 2007
First day of classes	12 Febr. 2007
Last day of classes	8 May 2007
Days off for all students	15 March, Easter (Mo), Pentacost (Mo) 2007, 1 May.
Examination period	21 May - 29 June 2007
Last day for Final Exams	29 June 2007

THE 2007/2008 ACADEMIC YEAR WILL BEGIN ON 10 SEPTEMBER 2007.

Grades, Grading System:		Marks average:		
Grades and gained credit points are entered into the Transcript Book after the examinations have been taken. The Budapest University of Technology and Economics uses the following grading system:	Excellent (A)	= 5	4.51 to 5.00	Excellent
	Good (B)	= 4	3.51 to 4.50	Good
	Satisfactory (C)	= 3	2.51 to 3.50	Satisfactory
	Pass (D)	= 2	2.00 to 2.50	Pass
	Fail (F)	= 1		

Welcome and Farewell Traditions

Hungarian traditions of warm welcomes and affectionate but wistful good-byes are mirrored by the Budapest University of Technology and Economics at opening ceremonies that welcome students to the university and at the graduation ceremonies.

During the opening ceremony held each year, the first-year students make a "Solemn Declaration" and the Rector Magnificus shakes hands with each new student symbolising their acceptance as members of the university community. Certificates of Merit are presented to the best students of the previous semester from the Pre-Engineering, B.Sc., M.Sc. and Ph.D. programs.

As part of the farewell ceremony, the graduating students wander through the Aula (concourse) of the Central Building (K) for the last time as students. They walk to the strains of Brahms' Overture carrying a symbolic parting gift, a small pack tied to a walking stick. The tiny pack, which contains food and money that symbolises the hard-earned knowledge the students gained at the Budapest University of Technology and Economics serve them well on their life's journey.

Description of Curricula and Subjects

The following section introduces each Faculty of the Budapest University of Technology and Economics, lists the B.Sc. and M.Sc. curricula of each faculty and also describes each subject.

The tables list the curricula in chronological order semester by semester to show the sequence of studies. The tables show the names of the subjects, their identification numbers, the semester in which they are taken and their weekly contact hours.

Subject			Working hours / semester								Requisites
Name	Code	Credits	1	2	3	4	5	6	7	8	
Mathematics II	BMETKTEMB02	7		7							TEMB01
General and Inorganic Chemistry	BMETKVEIB20	8		8							TB10
General and Inorganic Chemistry Practice	BMETKVEIB21	4		5							TB10

Credit points are based on the number of contact hours per week listed in the tables.

The subject descriptions are separated into B.Sc. and M.Sc. subjects.

Subject			
Name			
Advanced Mathematics			
Advanced Applied Mechanics			
Computer Aided Design			
Environmental Protection			
Production Engineering and Metrology			
Reliability of Industrial Systems			
Advanced Thermodynamics			
Advanced Fluid Mechanics	S	S	S
Building Physics		C	C
Mass Transfer	S	C	S
Refrigeration and Heat Pump		C	C
Ventilating and Air-conditioning I		C	C

C: Credit required
S: Signature required

The Pre-Requisites tables show all subjects and its relations to each other.

Analytical Chemistry Practice I
BMETKVEGB51
<i>Dr. Róbert Gyurcsányi</i>
Gravimetric and titrimetric determinations of different ions. (2 credits)

Explanation of Course Identification Numbers

Character	Identifies
1-3	BME Abbreviation of Budapest University of Technology and Economics in Hungarian
4-5	TK Abbreviation of International Education Center in Hungarian
6-7	VE Abbreviation of the name of the faculty in Hungarian
8-12	GB51 Code of department, semester and subject ordinary number