



Faculty introduction to
BSc students
Faculty of Electrical Engineering
and Informatics
Budapest University of
Technology and Economics



Dr. Eszter Udvary
associate professor
BSc and MSc English program director



Highlights

1. Introduction to the faculty
2. Degree programs
3. Q&A





Faculties of the BME



Faculty of Civil Engineering (1782)



Faculty of Mechanical Engineering (1871)



Faculty of Architecture (1873)



Faculty of Chemical Engineering (1873)



Faculty of Electrical Engineering and Informatics (1949)



Faculty of Transportation Engineering (1951)



Faculty of Natural Sciences (1987)



Faculty of Economic and Social Sciences (1998)

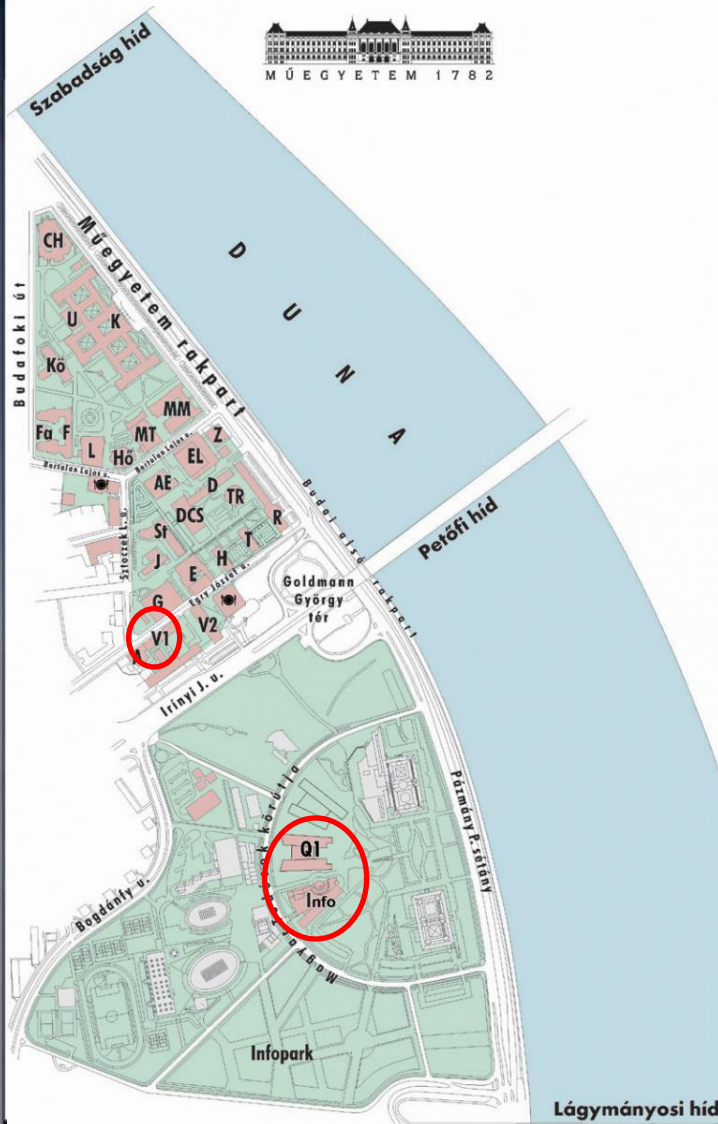


Departments at the faculty

- Department of Automation and Applied Informatics
- Department of Broadband Infocommunications and Electromagnetic Theory
- Department of Computer Science and Information Theory
- Department of Control Engineering and Information Technology
- Department of Electric Power Engineering
- Department of Electron Devices
- Department of Electronics Technology
- Department of Measurement and Information Systems
- Department of Networked Systems and Services
- Department of Telecommunications and Media Informatics

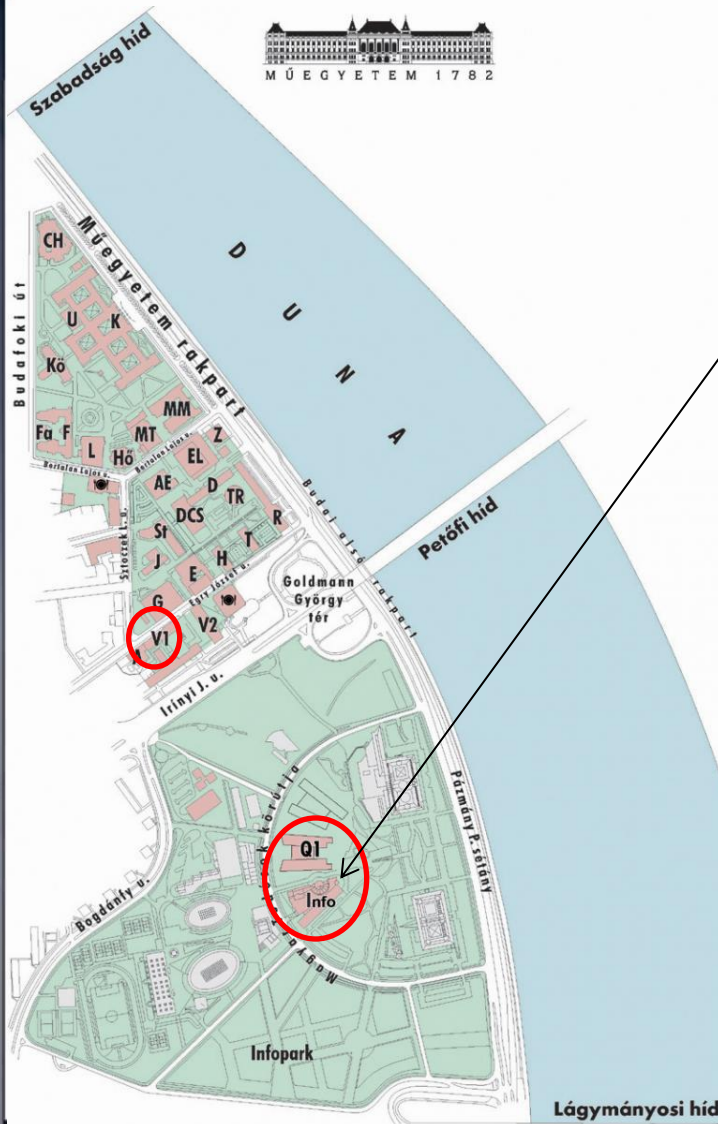


Faculty buildings



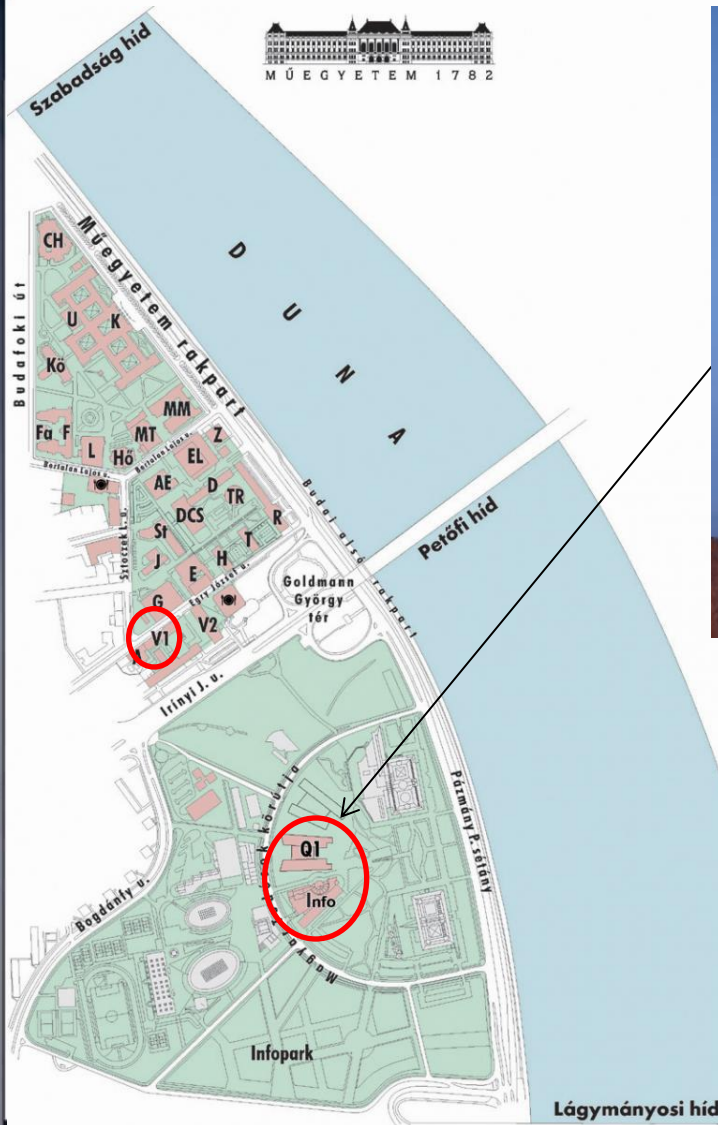


Faculty buildings: I



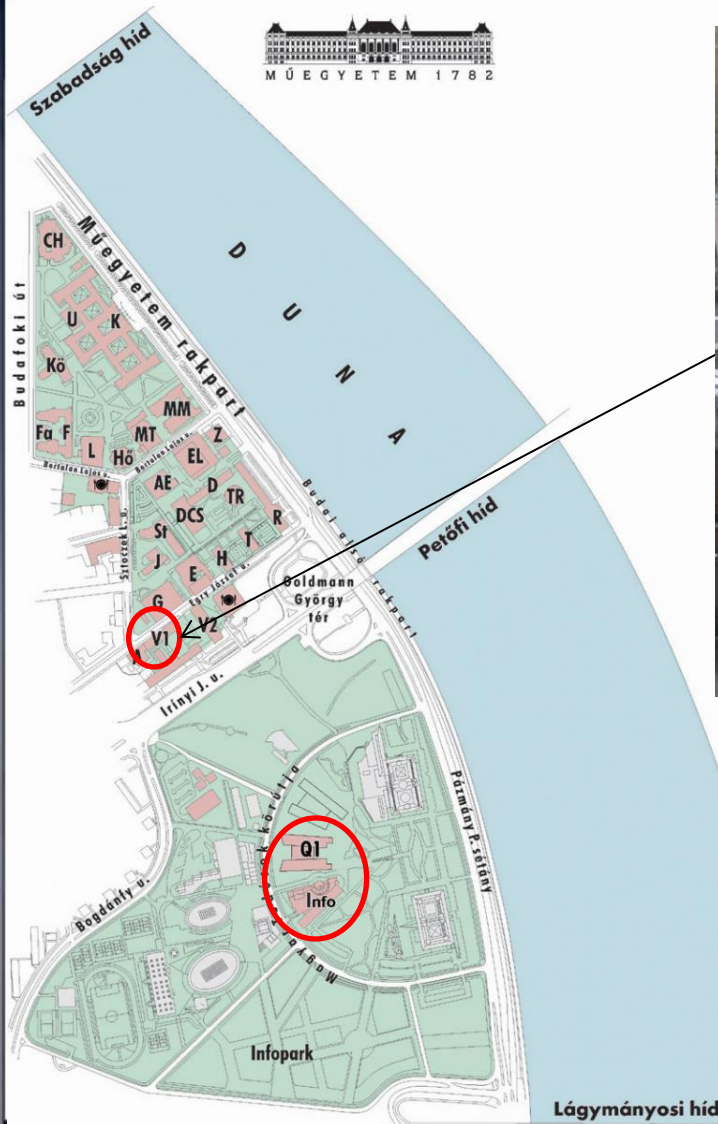


Faculty buildings: Q





Faculty buildings: V1



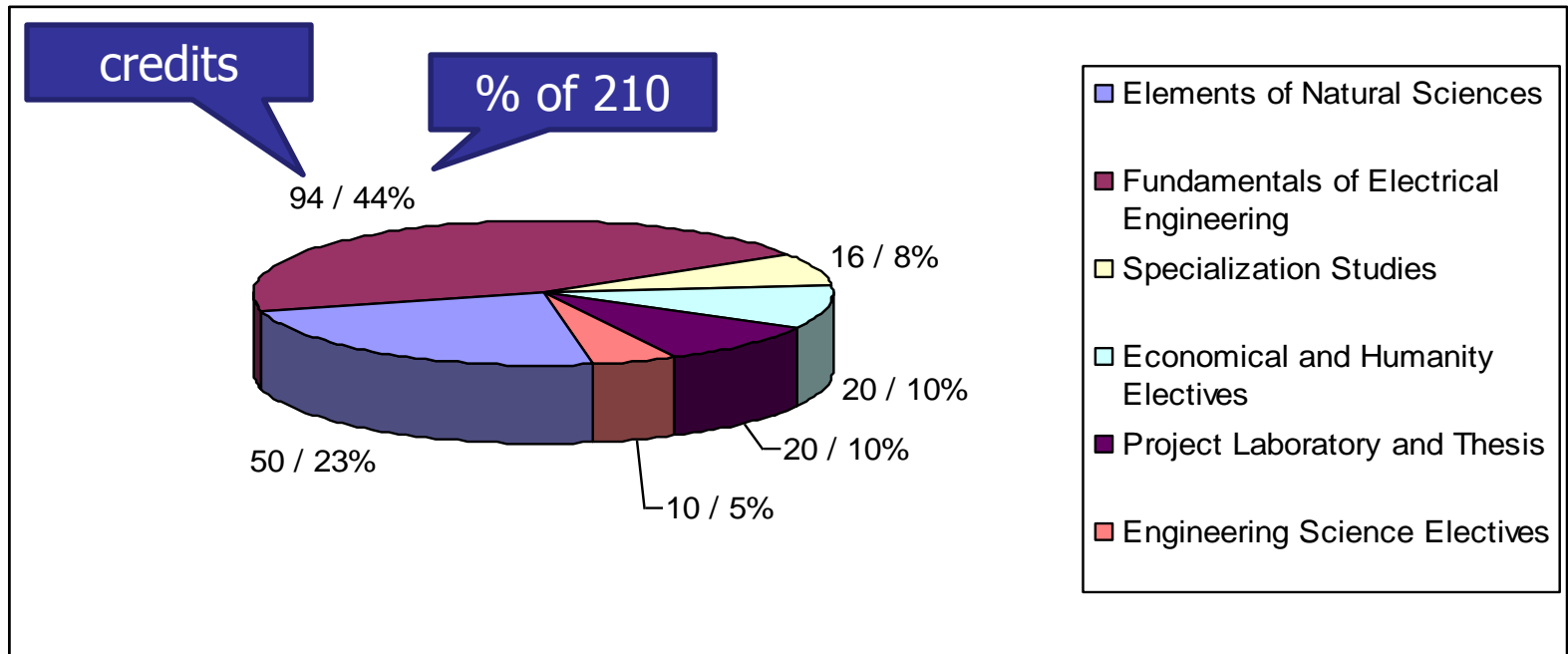


Degree programs in English

- Electrical Engineering (BSc) – 7 semesters
- Computer Engineering (BSc) – 7 semesters
- Electrical Engineering (MSc) – 4 semesters
- Computer Engineering (MSc) – 4 semesters
- Electrical Engineering (PhD) – 8 semesters
- Computer Engineering (PhD) – 8 semesters



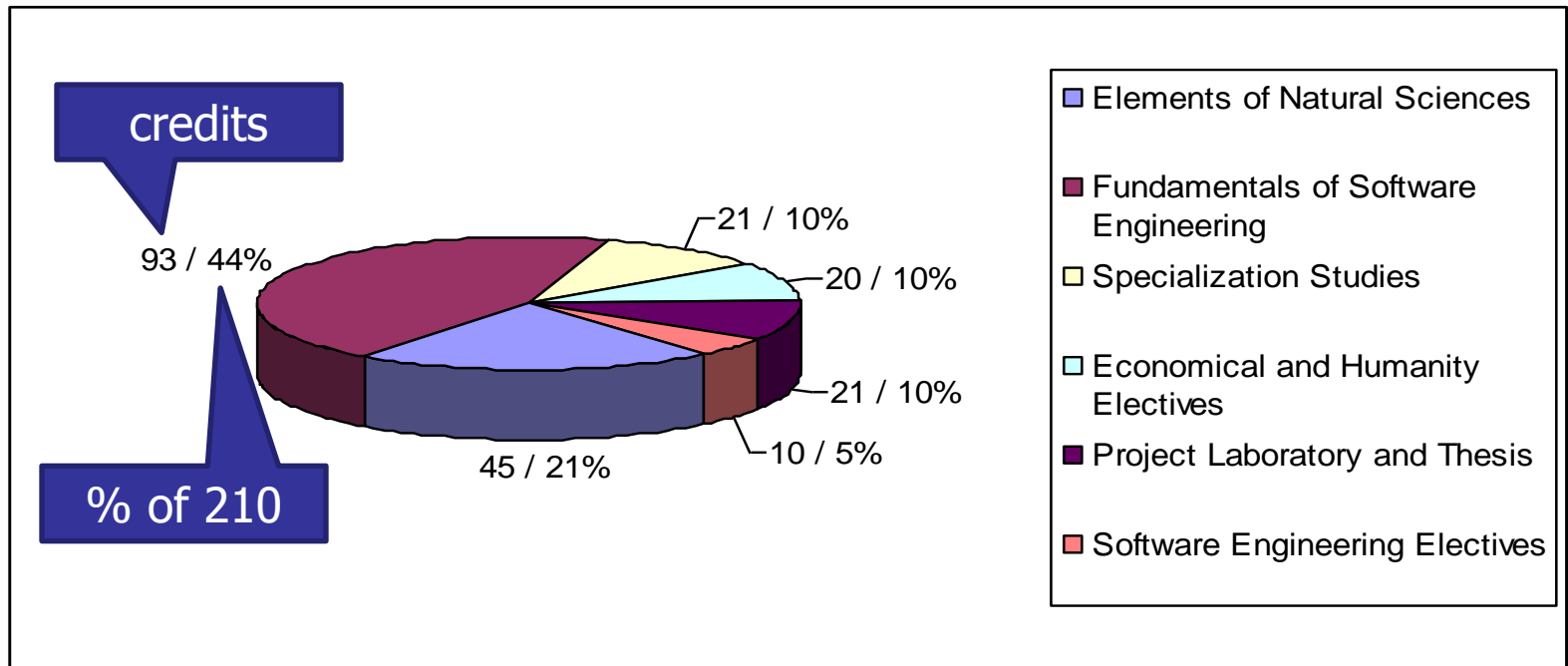
Curriculum - Electrical Engineering (BSc)



- 7 semesters, 210 credits (ECTS)
- Three study specialization blocks:
 - Embedded and Controller Systems
 - Infocommunication Systems
 - Sustainable Electric Energetics



Curriculum - Computer Engineering (BSc)



- 7 semesters, 210 credits (ECTS)
- Two study specialization blocks:
 - Infocommunications
 - Software Engineering



European Credit Transfer and Accumulation System (ECTS)

- It helps students to move between countries and to have their academic qualifications and study periods abroad recognised
- It enhances the flexibility of study programmes for students
- ECTS credits represent learning based on defined learning outcomes and their associated workload.
- 1 credit \approx 30 workhours





Workload

- 1 semester = 20 weeks
 - 1 week registration period
 - 14 weeks study period
 - 1 week recap period
 - 4 weeks exam period
- 900 workhours / semester
 - 30 credits / semester
 - 30 workhours / credits
- 45 workhours / week (5 days)
=> **9 hours / day => full time study**
- 25-30 contact hours / week



Subjects

Subject Type	Mid-term Assessments	End of the study period	Exam period
Exam	Mid-semester test Mid-semester exam Homework	Signature	Exam
Mid-semester mark	Mid-semester test Mid-semester exam Homework Laboratory course	Grade (based on the mid-semester results)	-

- Subjects – with few exceptions – are only announced once a year, either in the spring or in the fall semester!
- Please handle the subject based on neptun ID (NOT title)



Courses

type	Attendance requirement	note
Theory	Max. 70%	If it is in the subject description
Practice	70%	
Laboratory	100%	Attendance is compulsory
exam	-	a course without contact hours - comprehensive exam - If you have signature, but you did not get grade => you have to repeat the examination in the next exam period

BME expects students to attend the lectures



Contacts

- For issues related to the administration of your studies you always have to turn Ms. Margit Nagy (Electrical Engineering) or Ms. Violetta Máté (Computer Engineering)
 - location: building R, ground floor
 - phone: +36-1- 463-1111 / ext. 4609
 - e-mail: nagy.margit@kth.bme.hu and mate.violetta@kth.bme.hu
- For issues related to your studies, scholarship, and personal life, you should turn to the international coordinator in the first place (e-mail: english_program_info@vik-dh.bme.hu)
- The program director of BSc and MSc studies is Ms. Eszter Udvary (e-mail: udvary@hvt.bme.hu)



Basic rule of administration

It is strictly forbidden to bypass the chain of hierarchy detailed above and to directly communicate to the rector/dean or any other university personnel without notifying the persons listed above. The violation of this rule will entail disciplinary measures !!!

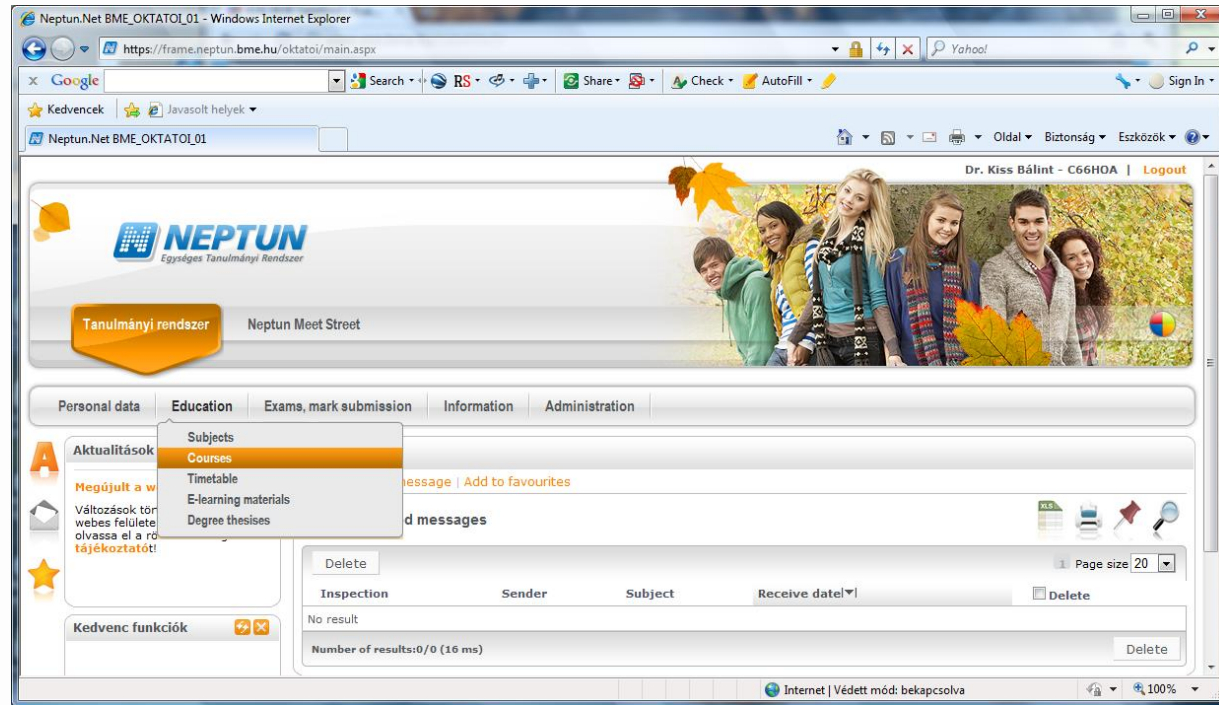


When you contact anyone...

- Please explain
 - Your name and your Neptun ID
 - Your program (BSc/MSc/PhD, Electrical Engineering/Computer Engineering)
 - Your semester
 - Details of your problem
 - Who, what subject, when, why, what did happen...
 - Print screen (if you have problem with Neptun or other electronic system)



On-line study system in English





- you must use the electronic study system NEPTUN to handle all of your administration
(<https://frame.neptun.bme.hu/hallgatoi/login.aspx>)
- All information can be found at the website vik.bme.hu/en





Webpage – vik.bme.hu/en

← → ↻ ⓘ Nem biztonságos | vik.bme.hu/en/message/

SITEMAP | ABOUT | **HU | EN**

 BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
M Ű E G Y E T E M 1 7 8 2
Faculty of Electrical Engineering and Informatics
„Energy of Networks”



DEAN'S MESSAGE
DEPARTMENTS
RESEARCH
SCIENTOMETRIC DATA
EDUCATION
FOR CURRENT STUDENTS
CONTACT

edu ID Belépés  

DEAN'S MESSAGE

The Faculty of Electrical Engineering and Informatics (VIK) of Budapest University of Technology and Economics (BME) carries on the traditions of the above 230 year old University. The proof thereof is the recognition of our degrees all around the world as well as the involvement and appreciation of our professors and researchers in the international scientific scene and organisations.

Almost all multinational electronics and IT corporations well-known in Asia have established R&D laboratories and centres attached to various departments of the faculty – *Ericsson, Morgan Stanley, Nokia, Siemens, Samsung, Huawei, HP, IBM*, just to name a few – where students can get hands-on information on the expectations of the partner companies.



The 2001 January issue of Nature published an article with the title “*The 20th century was created in Budapest*”.

It shows that Budapest irrevocably became part of history that determined the advancement of natural sciences in the last century. Many of the illustrious scientists either studied or taught at the University.

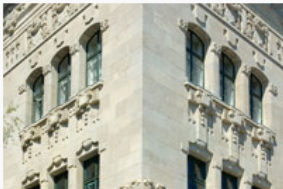

This constitutes such a responsibility for current education that – *inter alia* – resulted in a prominent place in the Webometrics ranking of universities.

Ancient Romans had a pertinent term “*genius loci*”, meaning the spirit of the place.

Join us to create the 21st century here, in the middle of Europe, Hungary, Budapest, a liveable and safe city with a colourful multicultural spirit, spicy dishes and Asian roots still retained in music providing an academic student experience and community that will ensure and preserve the best of the University across the centuries.

SEARCH

SEARCH



For Current Students



BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
Faculty of Electrical Engineering and Informatics

„Energy of Networks”



DEAN'S MESSAGE

DEPARTMENTS

RESEARCH

SCIENTOMETRIC DATA

EDUCATION

FOR CURRENT STUDENTS

CONTACT

edu ID Belépes



GENERAL INFORMATION

Current academic calendar

Weekly schedule of classes

Subject descriptions

Free Elective Courses

Human & economic science elective

Mid-term exams, timetable

PROJECT SUBJECTS

Project laboratory and thesis topics · Project laboratory requirements

Thesis portal

BSc Thesis regulations · BSc final comprehensive exam

MSC thesis regulations

PROGRAM DESCRIPTIONS

BSc Electrical Engineering

- Program description, simplified roadmap, prerequisites

BSc Computer Engineering

- Program description, simplified roadmap, prerequisites



SEARCH

SEARCH





B.SC. PROGRAMS (CURRENT)

Electrical Engineering (program description, simplified roadmap, prerequisites)

Computer Engineering (program description, simplified roadmap, prerequisites)

Being specialized, trainees are given students the opportunity to be prepared to do creative engineering work.

Main training areas (210 credits)

Natural science fundamentals	40-50 credits
Economics and humanities	14-30 credits
Professional core material	70-105 credits
Specific professional knowledge	min. 40 credits
Free electives	min. 10 credits

BSc Electrical Engineering curriculum

1 st semester				
Credits	Course code	Course name	Contact hours L S Lab	Requirement
6	BMETE90AX00	Mathematics A1	4 2	exam
4	BMETE11AX21	Physics 1	3 1	exam
5	BMEVISZAA05	Foundation of computer science	2 2	exam
6	BMEVIIIHIAA04	Digital design 1	3 1 1	exam
7	BMEVIHIAA01	Basics of programming 1	2 2 2	mid-semester mark
3	BMEGT63EE11*	English for Electrical Engineering and Informatics 1.	4	mid-semester mark
2 nd semester				
Credits	Course code	Course name	Contact hours L S Lab	Requirement
6	BMETE90AX26	Mathematics A2	4 2	mid-semester mark
4	BMETE11AX22	Physics 1	3 1	exam
6	BMEVIHVAA00	Signals and systems 1	3 2	exam
5	BMEVIIIHIAA02	Digital design 2	3 1	exam
6	BMEVIHIAA01	Basics of programming 2	2 2 2	mid-semester mark



B.S.C. PROGRAMS (CURRENT)


Electrical Engineering (program description, simplified roadmap, prerequisites)

Computer Engineering (program description, simplified roadmap, prerequisites)

Budapest University of Technology and Economics
Faculty of Electrical Engineering and Informatics

BSc degree program in Electrical Engineering

7 semesters, 210 credits
valid from 2017 Fall

1 st semester 31 credits 27 h/week	Mathematics A1 4/2/0/e/6 BMEVE90AX00	Physics 1 3/1/0/e/4 BMEVE11AX01	Foundation of computer science 2/2/0/e/5 BMEVE52AA05	Digital design 1 3/1/1/e/6 BMEVE1AA04	Basics of programming 1 2/2/2/m/7 BMEVE1AA03	English 1 0/4/0/m/3 BMEGT63EE11		Semester structure: registration (2w) classes (14w) <ul style="list-style-type: none">lecturesclassroom practiceslab. practicesquizzesmidtermshomework assignments resits (1w) <ul style="list-style-type: none">midterm retakeslate homework submissionearly exams RESTRICTIONS APPLY exams (20w) RESTRICTIONS APPLY
2 nd semester 30 credits 26 h/week	Mathematics A2 4/2/0/m/6 BMEVE90AX06	Physics 2 2/1/0/e/4 BMEVE11AX02	Signals and systems 1 3/2/0/e/6 BMEVE1AA00	Digital design 2 3/1/0/e/5 BMEVE1AA02	Basics of programming 2 2/0/2/m/6 BMEVE1AA05	English 2 0/4/0/m/3 BMEGT63EE12		
3 rd semester 30 credits 26 h/week	Mathematics A3 2/1/0/e/4 BMEVE90AX09	Mathematics A4 2/2/0/e/4 BMEVE90AX11	Electronics technology and materials 3/0/2/m/6 BMEVE1AB00	Signals and systems 2 3/3/0/e/6 BMEVE1AB01	Electrotechnics 3/0/1/m/5 BMEVE1AB03	Electronics 1 2/2/0/e/5 BMEVE1AB02	DISCLAIMER: this document is for information purposes only and has no contractual value. Its content is subject to change without notice.	
4 th semester 29 credits 25 h/week	Informatics 1 4/0/0/m/4 BMEVE1AB08	Informatics 2 3/0/1/e/5 BMEVE1AB01	Measurement technology 3/2/0/m/5 BMEVE1AB05	Infocommunication 2/2/0/e/5 BMEVE1AB03	Control engineering 2/1/1/e/5 BMEVE1AB05	Power engineering 2/1/1/e/5 BMEVE1AB01		
5 th semester 32 credits 26 h/week	Introduction to electromagnetic fields 2/1/0/e/4 BMEVE1AC03	Laboratory 1 0/0/3/m/4 BMEVE1AC12	Electronics 2 4/1/0/m/5 BMEVE1AC05	Study specialization subject 2/1/0/e/4 3x	Training Project Laboratory 0/0/2/m/3 BMEVE1AL02	Management and business economics 4/0/0/m/4 BMEGT20AD01	THESIS DEFENSE Organized during the last exam period in front of a committee. Includes presentation of thesis work, its discussion and oral exam in one specialization subject. Written comprehensive final exam is required in advance	
6 th semester 31 credits 26 h/week	Microelectronics 2/0/2/e/5 BMEVE1AB00	Laboratory 2 0/0/4/m/5 BMEVE1AC13	Free elective 2/0/0/e/2	Study specialization subject 2/1/0/e/4	Study specialization laboratory 0/0/3/m/4	Project laboratory 0/0/4/m/5 BMEVE1AL03		
7 th semester 27 credits 22 h/week	Free elective 2/0/0/m/2 4x	Human & economic science elective 2/0/0/m/2 2x BMEGT*****	BSc thesis project 0/10/0/m/15 BMEVE1AT01	PROJECT subjects Topics of the project subjects must be related the study specialization block. Training laboratory, Project Laboratory and BSc Thesis project can only be taken in a fixed order.		THESIS WORK enrollment conditions - at least 174 credits are completed (up to 10 credits free elective) - all courses of the first four semesters are completed - all specialization courses are completed (up to the 6th semester)		

SPECIALIZATION

- Enrollment conditions:
- at least 90 credits are complete
 - all courses of the first and second semesters are completed
 - at least 20 credits of the third semester are completed
 - Mathematics comprehensive exam is completed
 - Specialization prerequisite subject is completed

The number of students must exceed a certain threshold.

SUSTAINABLE ELECTRIC ENERGISTICS (prerequisite course: Power Engineering, BMEVE1AB01)

Electric power transmission 2/1/0/e/4 BMEVE1AC00	Electrical machines and applications 2/1/0/e/4 BMEVE1AC01	Electrical equipment and insulations 2/1/0/e/4 BMEVE1AC02	Control of electric drives 2/1/0/e/4 BMEVE1AC04	Sustainable electric energetics laboratory 0/0/3/m/4 BMEVE1AC07
Embedded and ambient systems 2/1/0/e/4 BMEVE1AC06	Industrial control 2/1/0/e/4 BMEVE1AC03	Microcontroller based systems 2/1/0/e/4 BMEVE1AC08	Embedded operating systems and client apps. 2/1/0/e/4 BMEVE1AC07	Embedded and control systems lab. 0/0/3/m/4 BMEVE1AC08
High Frequency System Techniques 2/1/0/e/4 BMEVE1AC04	Network Technologies and Applications 2/1/0/e/4 BMEVE1AC05	Mobile Comm. Systems 2/1/0/e/4 BMEVE1AC04	Space Technology 2/1/0/e/4 BMEVE1AC05	Radio Systems and Applications lab. 0/0/3/m/4 BMEVE1AC06

INFORMCOMMUNICATION SYSTEMS (prerequisite course: Infocommunication, BMEVE1AB03)

SUBJECT LEGEND

weekly contact hours <ul style="list-style-type: none">- lectures/- classroom practices/- laboratory practices	Subject title 3/1/1/m/5 BMECode	credit value according to ECTS – 1 credit represents 30 work hours
number of similar subjects OR study specialization block (if applicable)	requirement m – mid-semester mark e – exam	subject code as in the Neptun course management system
SUBJECT TYPES		
Fundamentals in natural sciences	Core engineering knowledge	Specialization studies
Economics & humanities	Free electives	Prerequisite for specialization



Electrical Engineering

1 st semester 31 credits 27 h/week	Mathematics A1 4/2/0/e/6 BMETE90AX00	Physics 1 3/1/0/e/4 BMETE11AX21	Foundation of computer science 2/2/0/e/5 BMEVISZAA05	Digital design 1 3/1/1/e/6 BMEVIIIAA04	Basics of programming 1 2/2/2/m/7 BMEVIHIAA01	English 1 0/4/0/m/3 BMEGT63EEI1
---	--	---------------------------------------	---	--	--	---------------------------------------

Mandatory course list!

- TE90AX00 Mathematics A1 => „VIK” courses!
EN0-VIK and EN1-VIK
- TE11AX21 Physics 1
- VISZAA05 Foundation of computer science
- VIIIAA04 Digital design 1
- **VIHIAA01** Basics of programming 1
- GT63EEI1 English for Electrical Engineering and Informatics 1 => you are already registered

Please register based on the neptun ID of the subject!



Computer Engineering

1 st semester 31 credits 28 h/week	Calculus 1 for informaticians 4/2/0/e/6 BMETE90AX21	Physics 1i 2/1/0/e/4 BMETE11AX23	Introduction to the theory of computing 1 2/2/0/e/5 BMEVISZAA03	Digital design 2/1/2/e/6 BMEVIMIAA02	Basics of programming 1 2/2/2/m/7 BMEVIEEA00	English 1 0/4/0/m/3 BMEGT63EEI1
---	--	--	--	--	---	---------------------------------------

Mandatory course list!

- TE90AX21 Calculus 1 for informaticians
- TE11AX23 Physics 1i
- VISZAA03 Introduction to the theory of computing 1
- VIMIAA02 Digital design
- **VIEEA00** Basics of programming 1
- GT63EEI1 English for Electrical Engineering and Informatics 1 => you are already registered

Please register based on the neptun ID of the subject!



B.SC. PROGRAMS (CURRENT)

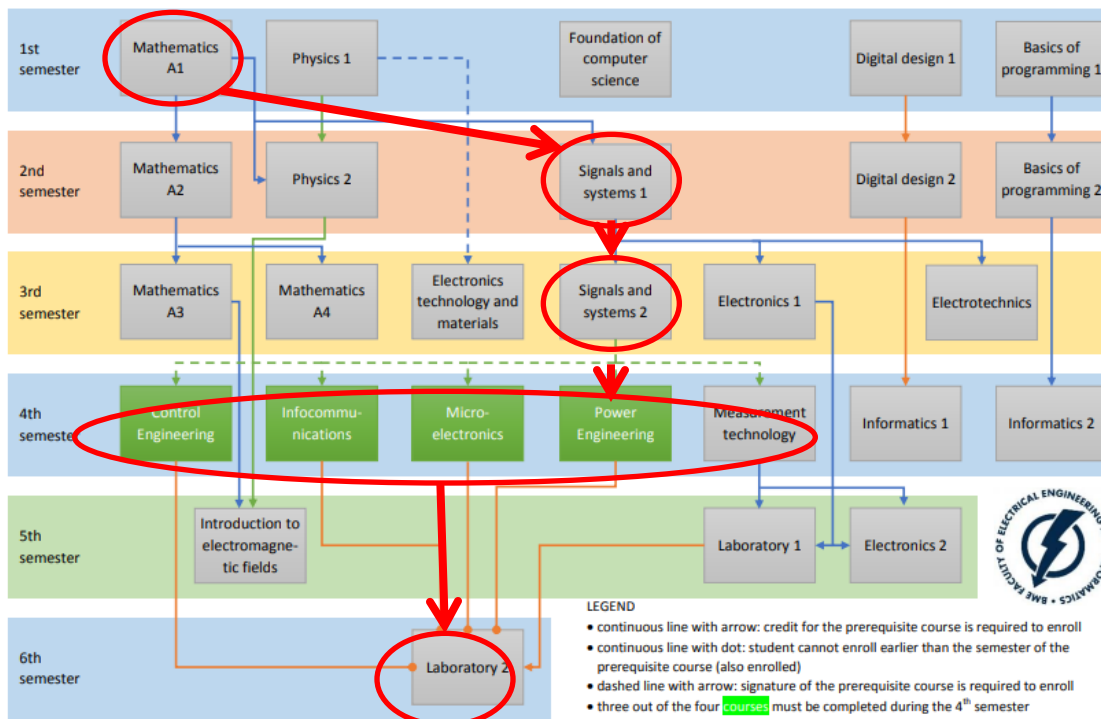
Electrical Engineering (program description, simplified roadmap, prerequisites)

Computer Engineering (program description, simplified roadmap, prerequisites)

Budapest University of Technology and Economics
Faculty of Electrical Engineering and Informatics

BSc degree program in Electrical Engineering

valid from 2015 Fall



Mandatory prerequisites. See Code of Studies for forgiveness policies.

last updated: 23 September, 2017

Copyright BME VIK, 2015

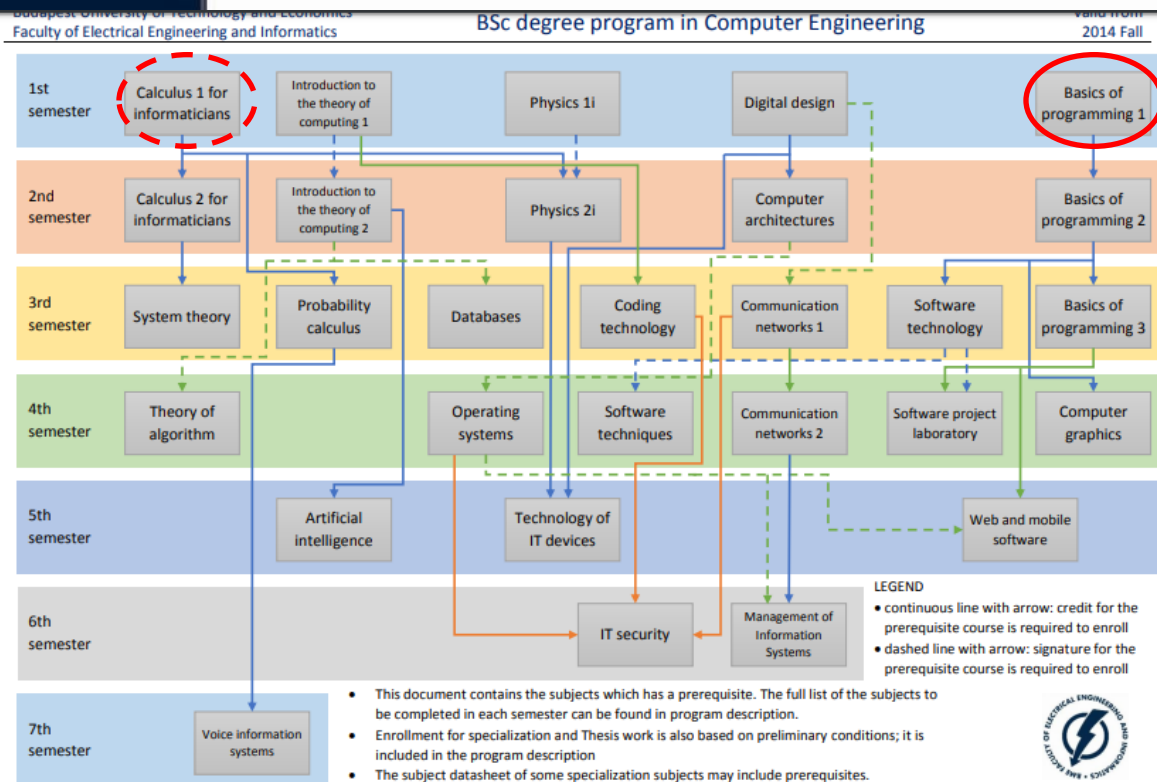
Prerequisites: to make sure that each course provides you with knowledge which have sound foundations established by previous courses



B.SC. PROGRAMS (CURRENT)

Electrical Engineering (program description, simplified roadmap, prerequisites)

Computer Engineering (program description, simplified roadmap, prerequisites)



Prerequisites: to make sure that each course provides you with knowledge which have sound foundations established by previous courses

Mandatory prerequisites. See Code of Studies for forgiveness policies.

last updated: 23 July, 2017

Copyright BME VIK, 2014



BSc - Milestones

- Conditions for admission to the study specialization block
- Conditions for admission to the thesis defense session

Budapest University of Technology and Economics
Faculty of Electrical Engineering and Informatics

BSc degree program in Computer Engineering

7 semesters, 210 credits
valid from 2017 Fall

1 st semester 31 credits 28 h/week	Calculus 1 for informaticians 4/2/0/e/6 BMEV90AX21	Physics 1i 2/1/0/e/4 BMEV21AX23	Introduction to the theory of computing 1 2/2/0/e/5 BMEV52AA03	Digital design 2/1/2/e/6 BMEV6IA002	Basics of programming 1 2/2/2/m/7 BMEV6EA000	English 1 0/4/0/m/3 BMEGT63EE11	DISCLAIMER: this document is for information purposes only and has no contractual value. its content is subject to change without notice.	
2 nd semester 32 credits 27 h/week	Calculus 2 for informaticians 4/2/0/m/6 BMEV90AX22	Physics 2i 2/1/0/e/4 BMEV21AX24	Introduction to the theory of computing 2 2/2/0/e/5 BMEV52AA04	System modeling 2/1/0/m/4 BMEV6IA000	Programming 2 2/0/2/m/6 BMEV6IA003	Computer architectures 2/1/0/e/4 BMEV6IA002	English 2 0/4/0/m/3 BMEGT63EE12	Calculus 1 Calculus 2 Comprehensive exam TE90AX20
3 rd semester 31 credits 25 h/week	Probability theory 2/2/0/e/5 BMEV52AB02	Coding technology 3/0/0/e/4 BMEV6HA000	Databases 2/1/1/e/5 BMEV6IA004	Communication networks 1 2/0/1/m/4 BMEV6HA001	Programming 3 2/0/2/m/5 BMEV6IA000	Software engineering 3/0/0/e/4 BMEV6HA001	System theory 2/2/0/m/4 BMEV6HA000	STUDY SPECIALIZATION Training laboratory, Project Laboratory and BSc Thesis work can only be taken after a fixed number of specialization Enrolment conditions: • at least 90 credits are completed • ALL courses of the first and second semesters are completed • at least 20 credits are completed from the third semester • Calculus Comprehensive exam is completed
4 th semester 29 credits 24 h/week	Theory of algorithms 2/2/0/e/5 BMEV52AB03	Operating systems 3/0/1/e/5 BMEV6HA000	Computer graphics 3/0/0/m/3 BMEV6IA007	Communication networks 2 2/0/1/e/4 BMEV6IA001	Software techniques 2/0/2/e/5 BMEV6IA000	Software project laboratory 0/0/2/m/3 BMEV6HA006	Management and business economics 4/0/0/m/4 BMEGT20AD01	
5 th semester 29 credits 25 h/week	Technology of IT devices 2/0/1/m/4 BMEV6EA000	Mobile- and web-based software 2/0/2/e/5 BMEV6IA000	Artificial intelligence 3/0/0/m/3 BMEV6IA000	Study specialization subject 2/1/0/e/4 2x	Training Project Laboratory 0/0/3/m/3 BMEV6**AL00	Micro- and macroeconomics 4/0/0/e/4 BMEGT30AD01	Business law 2/0/0/m/2 BMEGT55AD01	THESIS PROJECT enrolment conditions • at least 174 credits are completed (up to 10 credits free electives) • All courses of the first four semesters are completed • all specialization courses are completed (up to the 6th semester)
6 th semester 29 credits 24 h/week	IT security 3/0/0/m/3 BMEV6HA000	Management of information systems 2/0/1/m/4 BMEV6IA000	Study specialization subject 2/1/0/e/4 2x	Study specialization laboratory 1 0/0/2/m/3	Project laboratory 0/0/4/m/5 BMEV6**AL02	Free elective 4/0/0/e/4	Human & economic science elective 2/0/0/m/2 BMEGT****	
7 th semester 29 credits 23 h/week	Embedded information systems 2/1/0/m/3 BMEV6IA000	Study specialization laboratory 2 0/0/2/m/3	BSc thesis project 0/10/0/m/15 BMEV6**AT00	Free elective 2/0/0/m/2 3x	Human & economic science elective 2/0/0/m/2 BMEGT****	THESIS DEFENCE Organized in the last exam period in front of a committee. Includes presentation of thesis work, discussions and oral exam in one specialization subjects. Written comprehensive final exam is required in advance.		

SOFTWARE ENGINEERING

Data-driven systems
2/1/0/e/4
BMEV6IA0001

Object-oriented software design
2/1/0/e/4
BMEV6IA000

Integration & verification techniques
2/1/0/e/4
BMEV6IA004

Client side technologies
2/1/0/e/4
BMEV6IA002

Software development laboratory 1
0/0/2/m/3
BMEV6IA009

Software development laboratory 2
0/0/2/m/3
BMEV6IA001

INFOCOMMUNICATIONS

Mobile communication networks
2/1/0/e/4
BMEV6IA000

Building and operation of networks
2/1/0/e/4
BMEV6IA000

Media applications & networks in practice
2/1/0/e/4
BMEV6IA002

Networked resource platforms & apps
2/1/0/e/4
BMEV6IA003

Infocommunication laboratory 1
0/0/2/m/3
BMEV6IA009

Infocommunication laboratory 2
0/0/2/m/3
BMEV6IA002

Fundamentals in sciences

Core engineering knowledge

Specialization studies

Economics & humanities

Free electives

Legend

weekly contact hours (lectures/classroom/practice/lab.)

3x

Course title
3/1/1/m/5

credit value according to ECTS – 1 credit represents 30 work hours

requirement
m – mid-semester mark
e – exam

number of similar subjects

subject code (as in the Napitus system)



Specializations

- Specializations start every fall semester
- The selection of specialization is always at the end of the 4th semester
- The number of students must exceed a certain threshold
- The decision on the type of specialization and the placement of students depends on the number and the results of applying students
- Not all specializations start every year



General informations



BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
Faculty of Electrical Engineering and Informatics

„Energy of Ne

DEAN'S MESSAGE

DEPARTMENTS

RESEARCH

SCIENTOMETRIC DATA

EDUCATION

FOR CURRENT STUDENTS

CONTACT

GENERAL INFORMATIONS

Current academic calendar

Weekly schedule of classes

Subject descriptions

Free Elective Courses

Human & economic science elective

Mid-term exams, timetable



edu Belépés



PROJECT SUBJECTS

Project laboratory and thesis topics • Project laboratory requirements

Thesis portal

BSc Thesis regulations • BSc final comprehensive exam

MSC thesis regulations

PROGRAM DESCRIPTIONS

BSc Electrical Engineering

2020.09.03

BME Villamosmérnöki és Informatikai Kar

30



Academic Calendar

ACADEMIC CALENDAR for 2019/2020 BME Faculty of Electrical Engineering and Informatics (VIK)

Autumn semester

Registration period	2 – 6 September 2019
Study period	9 September – 13 December 2019
Grace period to fulfil course requirements	16 – 20 December 2019
Exam period	2 – 29 January 2020
Final exam period	2 – 31 January 2020
Graduation ceremony for international students	TBD (early February)
days off (no classes, tests or exams):	
University Sports Day	12 September 2019 (Thu)
Faculty Days (Schönherz Cup)	30 September – 1 October 2019 (Mon-Tue)
National holiday (commemoration of the Revolution of 1956)	23 October 2019 (Wed)
National holiday (All Saints' Day)	1 November 2019 (Fri)
Students' Scientific Conference ("TDK")	12 November 2019 (Tue)
Open Day for secondary-school students	29 November 2019 (Fri)
Winter holidays (incl. Christmas & New Year's Eve)	23 December 2019 – 1 January 2020
make-up Saturdays (for national, non-holiday days off):	
regular classes with even-week Friday schedule	7 December 2019
extra day of grace period (for in-class test retakes)	14 December 2019



Weekly schedule

2019/2020 1ST SEMESTER

Electrical Engineering BSc 1st Semester

Electrical Engineering BSc 3rd Semester

Electrical Engineering BSc 5th Semester Informatics Syst Spec

Day	Time	Course	Code	Room	Type	Teacher	Room
Monday	08:15	08:15	08:15	08:15	08:15	08:15	08:15
Monday	08:15	10:00	BMEGT63EEI1	H8Cs16_VI1	Practice	All	E403
Monday	08:15	10:00	BMEGT63EEI1	H8Cs16_VI2	Practice	All	E404
Monday	08:15	10:00	BMEGT63EEI1	H8Cs16_VI2	Practice	All	E401
Monday	08:15	10:00	BMEGT63EEI1	H8Cs16_VI2	Practice	All	E402
Monday	10:15	12:00	Calculus 1 for Informaticians	BMETE90AX21	EN0	Theory	All
Monday	12:15	14:00	Digital Design	BMEVIMIAA02	LA	Labor	All
Monday	14:15	16:00	Physics 1I	BMETE11AX23	IT0	Theory	All
Monday	14:15	16:00	Physics 1I	BMETE11AX23	IE0	Theory	All
Tuesday	08:15	10:00	Calculus 1 for Informaticians	BMETE90AX21	EN0	Theory	All
Tuesday	10:15	12:00	Digital Design	BMEVIMIAA02	EA	Theory	All
Tuesday	13:15	14:00	Digital Design	BMEVIMIAA02	GA	Practice	All
Tuesday	15:15	16:00	Physics 1I	BMETE11AX23	IE1	Practice	All
Tuesday	15:15	16:00	Physics 1I	BMETE11AX23	IT1	Practice	All
Tuesday	18:15	20:00	Midterm Test	BMEVIDHZH00	VIMI BSc 1. félév	Theory	All
Wednesday	08:15	10:00	Basics of Programming 1	BMEVIEEAA00	AE	Theory	All
Wednesday	08:15	10:00	Basics of Programming 1	BMEVIHIAA01	EA	Theory	All
Wednesday	12:15	14:00	Calculus 1 for Informaticians	BMETE90AX21	EN1	Practice	All

These documents are for information purposes only!



Subject description

Subjects

List filter:

Listed: 107 subjects

Code	Name	Department	Credits
VIAUA008	Electromechanics	AUT	4 credits
VIAUA116	Basics of Programming 2	AUT	4 credits
VIAUA203	Informatics 2	AUT	5 credits
VIAUA248	Software Techniques	AUT	4 credits

[angol nyelvű adatlap](#)

Foundation of Computer Science

A tantárgy neve magyarul / Name of the subject in Hungarian: A számítástudomány alapjai

Last updated: 2017. június 22.

Budapest University of Technology and Economics
Faculty of Electrical Engineering and Informatics

Electrical Engineering
BSc

Course ID	Semester	Assessment	Credit	Tantárgyfélév
VISZAA05		2/2/0/v	5	

3. Course coordinator and department

Dr. Katona Gyula, Számítástudományi és Információelméleti Tanszék

Web page of the course

<http://www.cs.bme.hu/sza>

4. Instructors

Dr. Attila Sali, associate professor, Department of Computer Science and Information Theory

6. Pre-requisites

Title
Lecturers
Pre-requisites
Objectives
Synopsis
Assessment
Recaps

...



Your life is changed

Be careful

- New city, new country, new classmates, without family...
- You have to manage your life (accommodation, residence permit, offices, living cost, ...)
- Secondary school => university
 - Difficult subject, hard assessments
 - There is no continuous monitoring
 - misunderstood freedom
 - If you do not start learning at the beginning
 - ⇒ You will have too much tasks at the end of the semester
 - ⇒ You can not fulfil the subjects
 - ⇒ You can not register for further subjects in the next semester (because of the pre-requisites)
 - ⇒ ...



Focus on your study!

- There is no way to grant exemptions from the
 - pre-requisite rules
 - conditions for admission to the BSc specializations
 - conditions for admission to thesis defense session
- The number of credit points to be accumulated, the grade point average to achieve, the number of recaps are controlled. Failing to satisfy those rules, you are dismissed from your studies.
 - twice the programme duration
 - min. 20 credits / the latest 3 active semesters
 - BSc: cumulated GPA of min. 2.25 at the end of the 4th active semester
 - max. 6 exams/subject
- Plagiarism and cheating: zero tolerance!
 - At least fail of the subject in the given semester (both copying and copied students)



Tuition fee

- If you have no scholarship...

	For non-EU citizens	For EU citizens
BSc program	3200EUR/semester	2250EUR/semester

- Stipendium Hungaricum Scholarship
 - max. 2 semesters extension
 - min. 36 credits / the latest 2 active semesters (decision of the Tempus foundation)
- Delay in the study program
 - Time, money, etc.
 - Residence permit...



Student life ↔ Study





Thank you for your attention !