Faculty introduction to
**MSc 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

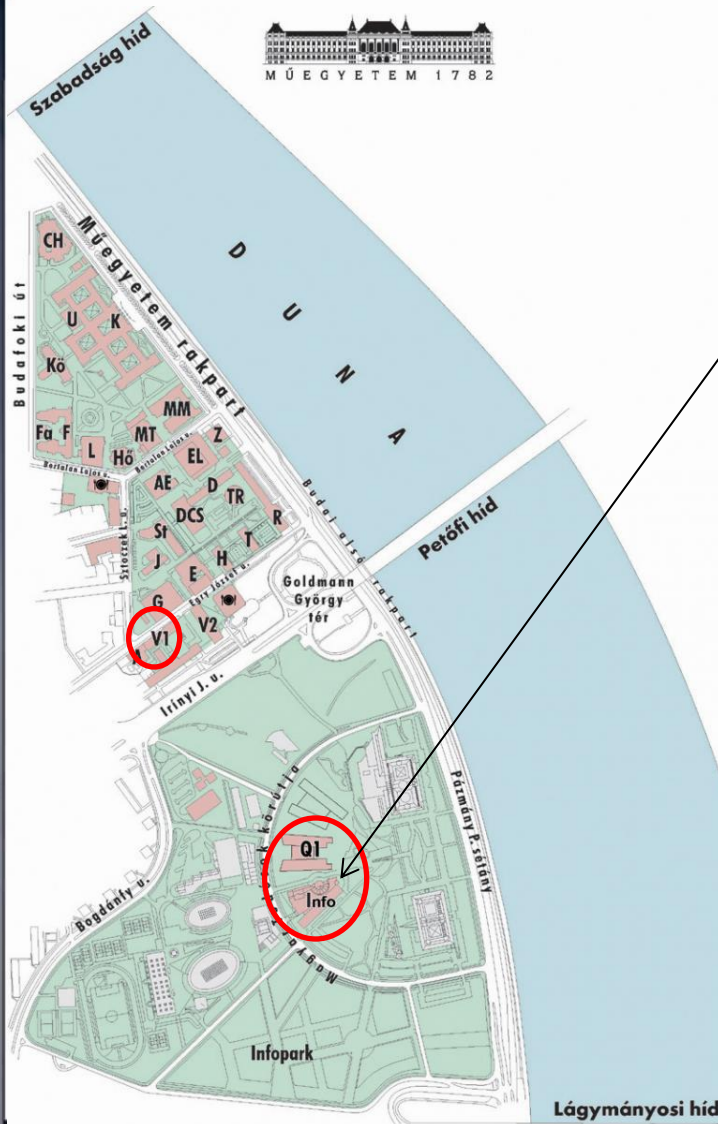- Department of Telecommunications and Media Informatics
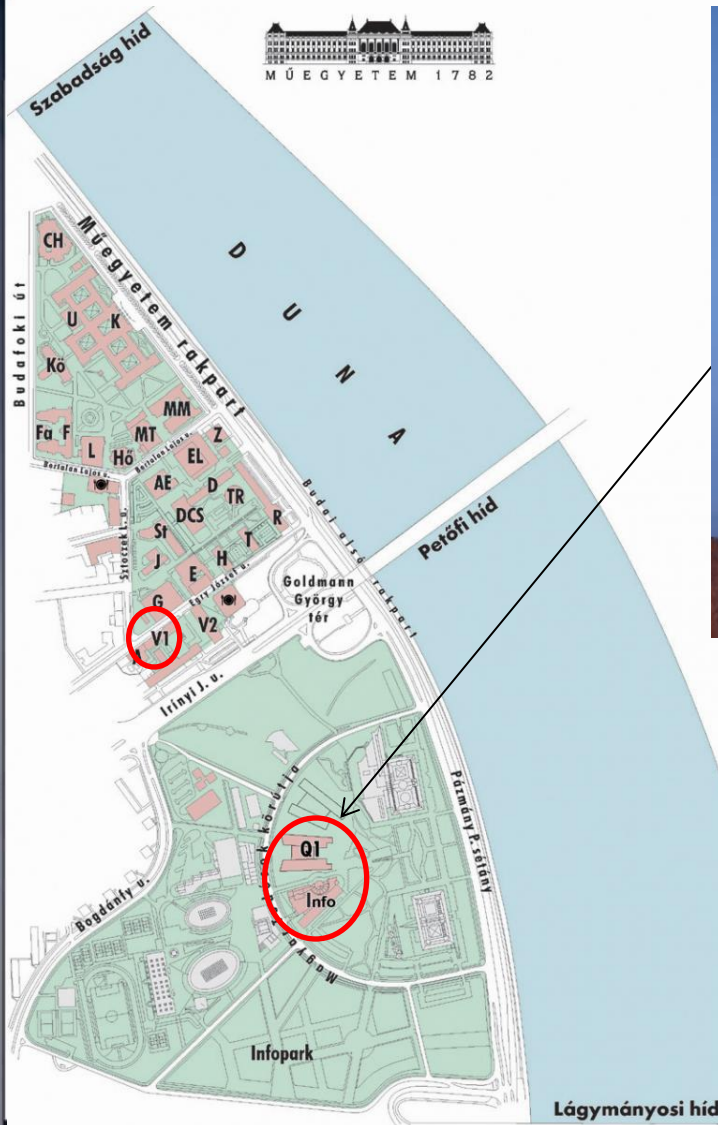
# Faculty buildings
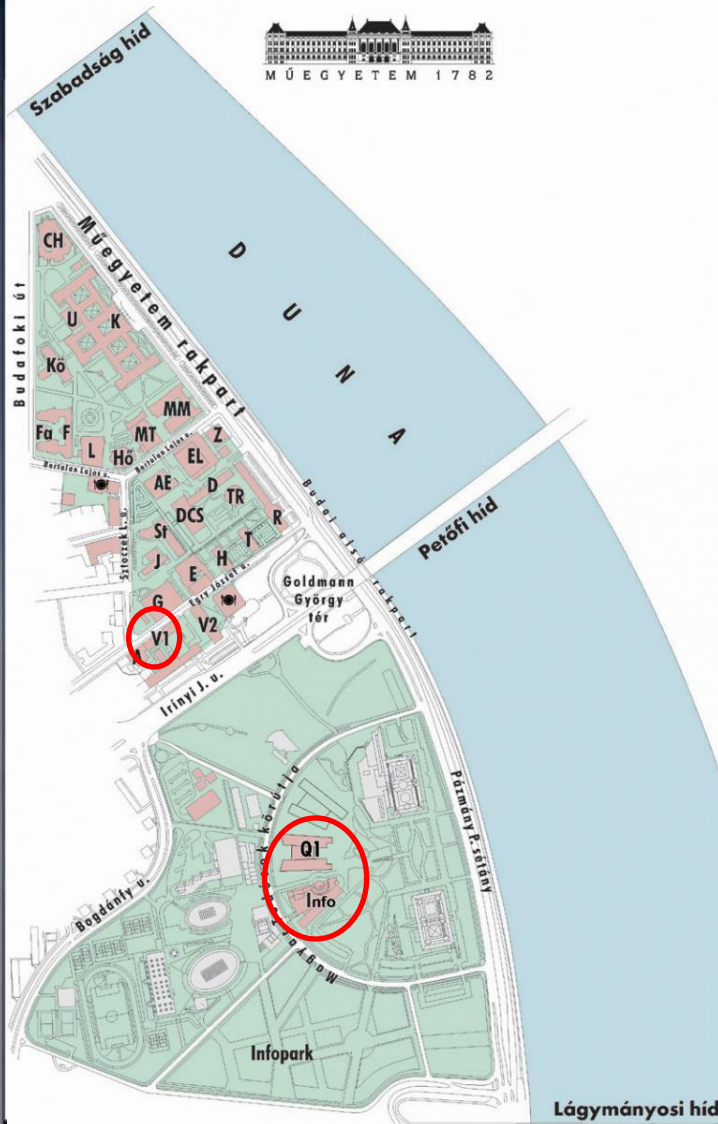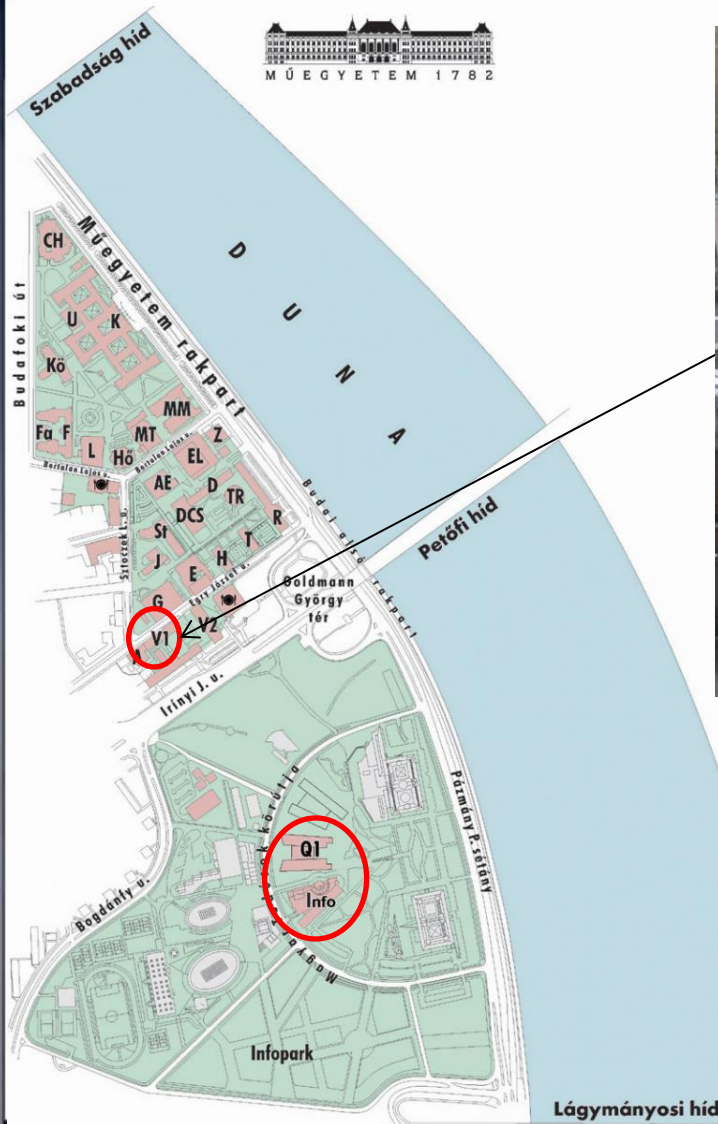
# Faculty buildings: I

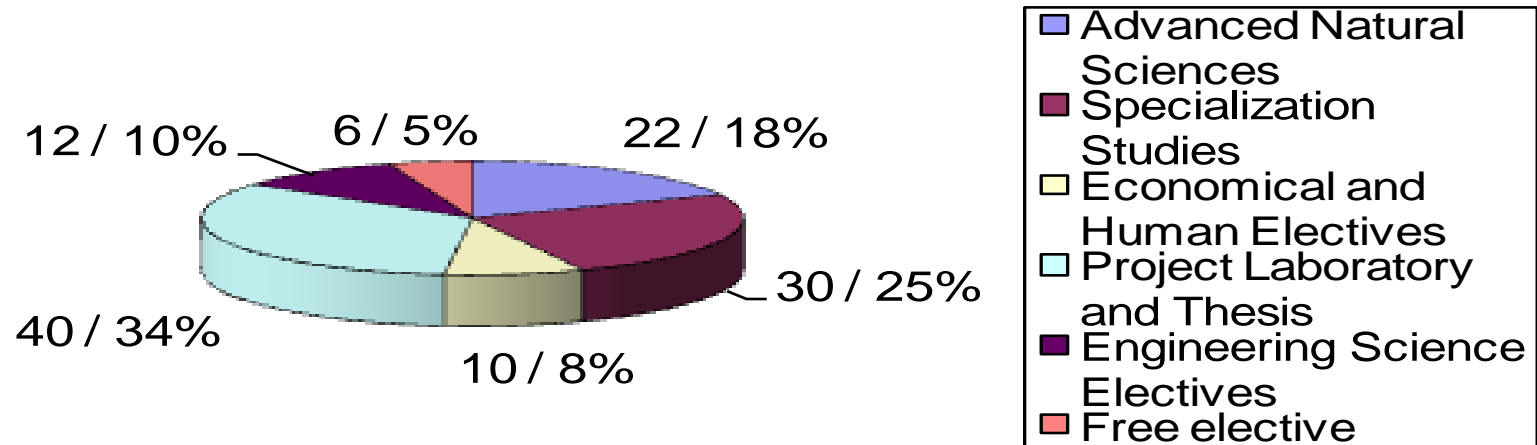# Faculty buildings: Q

# 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
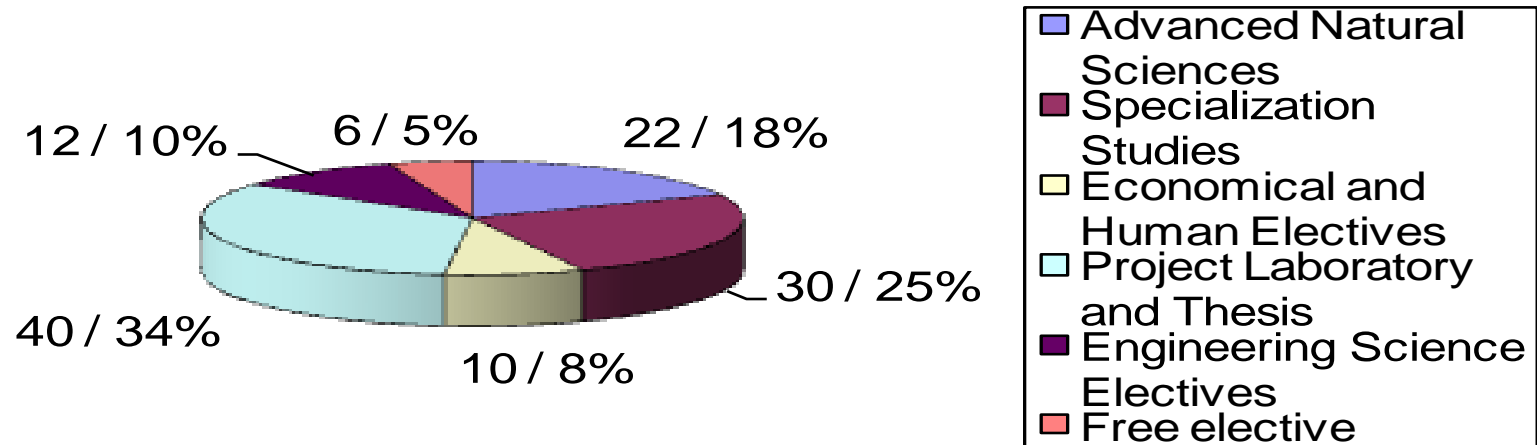- Computer Engineering (PhD) – 8 semesters

# Electrical Engineering (MSc)



Pie chart with the following segments:
- 22 / 18% — Advanced Natural Sciences
- 30 / 25% — Specialization Studies
- 10 / 8% — Economical and Human Electives
- 40 / 34% — Project Laboratory and Thesis
- 12 / 10% — Engineering Science Electives
- 6 / 5% — Free elective

Legend:
- Advanced Natural Sciences
- Specialization Studies
- Economical and Human Electives
- Project Laboratory and Thesis
- Engineering Science Electives
- Free elective

- 4 semesters, 120 credits (ECTS)

- Main Specializations: Electric Power Systems, Embedded Systems, Multimedia Systems and Services

- Secondary Specializations: Optical Communication, Smart City, Smart Systems Integration

# Computer Engineering (MSc)



Pie chart legend:
- Advanced Natural Sciences
- Specialization Studies
- Economical and Human Electives
- Project Laboratory and Thesis
- Engineering Science Electives
- Free elective

Chart values: 6 / 5%, 22 / 18%, 12 / 10%, 30 / 25%, 10 / 8%, 40 / 34%

- 4 semesters, 120 credits (ECTS)
- Main Specializations: Applied Informatics, Internet Architectures and Services
- Secondary Specializations: Smart City, Cloud And Parallel Systems

# 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 ≈ 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<br>Mid-semester exam<br>Homework | Signature | Exam |
| Mid-semester mark | Mid-semester test<br>Mid-semester exam<br>Homework<br>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<br>- comprehensive exam<br>- 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 (location: building R, ground floor; phone: +36-1- 463-1111 / ext. 4609; e-mail: nagy.margit@kth.bme.hu;)

- For issues related to your studies, scholarship, and personal life, you should turn to the international ccordinator 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
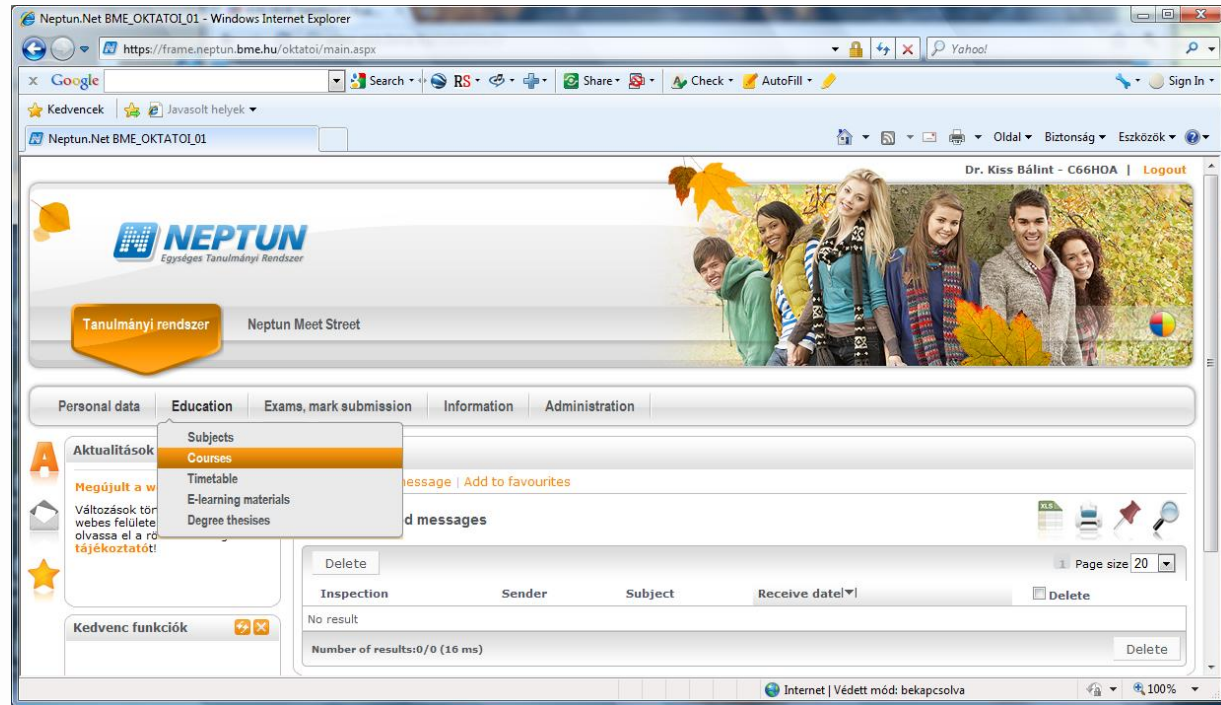


- you must use the electronic study system NEPTUN to handle all of your administration (https://frame.neptun.bme.hu/hallgatoi/login.aspx)
- All information can be found at the website   vik.bme.hu/en

# Webpage – vik.bme.hu/en

# For Current Students

## ELECTRICAL ENGINEERING

- Program description
- Start in the spring semester (degree program roadmap - starts: spring)
- Start in the fall semester (degree program roadmap - starts: fall)

---

Master of Science Degree Program
Electrical Engineering Curriculum

## Preliminary Course Schedule

According to Faculty regulations:

- The subject datasheet of some specialization subjects may include preliminary subject prerequisites. (Especially in the case of laboratories that are followed by and based on the knowledge of specialization subjects.)
- Project Laboratory 1., Project Laboratory 2., Diploma Thesis Design 1., Diploma Thesis Design 2.
  - Only MSc students of the given program can be admitted
  - The subjects can only be taken one after the other having completed the credits of the previous subject
- The prerequisite of the admission of Diploma Thesis Design 2
  - Completing 84 credits according to the study plan
  - Completing the following subjects
    - 2 Advanced mathematic subjects (according to the main specialization of the student)
    - One of the Common Subjects (Communication theory BMEVIHVMA07 or Measurement theory BMEVIMIMA17 or Alternating current systems BMVIVEMA13)
    - Natural Science subject (Electromagnetic Fields BMEVIHVMA08 or Photonics Devices BMEVIETMA06 or Electrical Insulations and Discharges BMEVIVEMA14)
    - Diploma Thesis Design 1. subject (BMEVI**MT02)
- Further prerequisites may be included in the "Regulations of BME VIK MSc Project Work, final examination and certificate".

## Specialization, changing specialization

Students are requested to hand in their application for specialization (the order of their main and secondary specialization) before admittance, during their entrance exam.
Students may submit a request in Neptun Study Administration System in order to change their specialization within the first semester of specialization. In case the request is accepted the student is transferred to the other specialization in the next semester (provided that the specialization starts in the given semester).

## Mandatory human and economic science elective subjects

# M.SC. PROGRAMS (CURRENT)

## ELECTRICAL ENGINEERING

- Program description
- Start in the spring semester (degree program roadmap - starts: spring)
- Start in the fall semester (degree program roadmap - starts: fall)



MSc degree program roadmap. See www.vik.bme.hu/en for more details and regulations.   Last updated: 06 February, 2019   Copyright BME VIK, 2016

# Electrical Engineering



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

MSc degree program in Electrical Engineering

4 semesters, 120 credits, starts: Fall, valid from 2016

- Special subjects
  - Advanced matematics 1.
    - BMETE90MX55 Stochastics
  - Natural science
    - BMEVIETMA06 Photonics Devices or
    - BMEVIVEMA14 Electrical Insulations and Discharges
  - Human and Economic science electives
  4 credits altogether
  - Specializations => Project laboratory 1
  - Free elective courses

# Human & Economics Science Electives



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

edu ID  Belépés

GENERAL INFORMATIONS

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

# Human & Economics Science Electives

## Faculty of Economic and Social Sciences

### IMPORTANT NOTES

If for one subject you can find several different types (lecture, practice, laboratory) of courses then please choose one and only one course from each type in order to be able to perform the subject's requirements successfully.Civil Engineering courses are on the website seperately. Courses chosen from the offer of Faculty of Civil Engineering will be checked and arranged individually by the departmental coordinator.

| Subject code | Subject name | | | Requirement | ECTS credit |
|---|---|---|---|---|---|
| BMEGT20A001 | Management and Business Economics | | | Mid-semester mark | 4 |
| **Course type** | **Course code** | **Course language** | **Timetable information** | | |
| Lecture | ER | English | MON:08:15-10:00(KF81); WED:14:15-16:00(KF88); | | |

The course introduces the essentials of management as they apply within the contemporary work environment and gives a conceptual understanding of the role of management in the decision making process. Particular attention is paid to management theories: principles of management, marketing management, quality management, production and project management. For problem formulation, both the managerial interpretation and the mathematical techniques are applied. Budapest University of Technology and Economics Faculty of Economic and Social Sciences Course Syllabus and Requirements Management and Business Economics 2. Course code Semester Hours per week (Theory/Practice) ECTS credits Language of Instruction Level (BSc/BA/MSc/MA) BMEGT20A001 fall/spring 4/0 4 Hungarian BSc/BA 3. Course supervisor (name, title, department): János Kövesi, dr. Habil, Professor, Department of Management and Business Economics 4. Lecturers: Name: Position: Department/Institute/availability (Room, e-mail address): Szilvia Bíró-Szigeti, PhD Associate Professor Dept. of Management and Business Economics, QB305, szigetisz@mvt.bme.hu János Kövesi Professor Dept.of Management and Business Economics, QA315, kovesi@mvt.bme.hu Noémi Kalló, PhD Associate Professor Dept.of Management and Business Economics, QA308, kallo@mvt.bme.hu Tibor Szabó, PhD Assistant Professor Dept.of Management and Business Economics, QA317, tiborszabo@mvt.bme.hu 5. Preliminary knowledge required: Basic concept of companies and their

# Computer Engineering

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

MSc degree program in Computer Engineeri

| | | |
|---|---|---|
| **0th semester / 27 credits / 25 h/week** | Applied algebra and mathematical logic 4/0/0/e/4 BMETE90MX57 | Languages and automata 3/0/0/m/4 BMEVISZMA04 | Information theory 3/0/0/m/4 BMEVISZMA03 | Engineering management 4/0/0/e/4 BMEVITMMB03 | Project laboratory 1 0/0/5/m/5 BMEVI**ML00 3x | Free elective 2/0/0/m/2 |
| **1st semester / 31 credits / 26 h/week** | System optimization 4/0/0/e/4 BMEVISZMA02 | Formal methods 3/0/0/m/4 BMEVIMIMA07 | Main specialization subject 3x 2/1/0/e/4 | Secondary specialization subject 2/1/0/e/4 | Project laboratory 2 0/0/5/m/5 BMEVI**ML01 | Mandatory human & economic science elective 2/0/0/m/2 BMEGT***** |

- Special subjects
  - Specializations => Project laboratory 1
  - Free elective courses

# MSC - Specializations

- All students are already directed to main and secondary specializations
  - Preferences (during entrance test)
  - Entrance test result
- changing specialization:
  - within the first enrolled semester
  - Submit the E999 request in the Neptun system
  - Current specialization, requested specialization, justification (what is the reason of your request)

# Project laboratory 1

- related to the main or secondary specialization
- the student carry out individual project work under the supervision of a member of a department of the faculty
- The student is expected to regularly meet and report his/her progress to the supervisor during the semester.
- The work includes the application of theoretical knowledge to specific problems, the individual and creative ways of problem solving and the precise, systematic and thorough documentation of the development process and the results of the verification and testing.

# Project laboratory 1

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

„Energy of N

M Ű E G Y E T E M   1 7 8 2

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

edu ID  Belépés

## GENERAL INFORMATIONS

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

# Project Laboratory Topics



Project laboratory and thesis topics

| Supervisor | | Topic | | |
|---|---|---|---|---|
| name | email address and office | Title | Description and tasks | F (I |
| Ákos Nagy | nagy.akos@aut.b me.hu | MoveIt! motion planning library in robotics | MoveIt! is a ROS-based open-source software library for mobile manipulation (ROS: Robot Operating System). It provides a platform for developing manipulation, 3D perception, kinematics, control and navigation algorithms. MoveIt! has been used on over 65 robots, including robotic arms, wheeled robots and legged robots. The aim of this student project is to examine the capabilities of the library, especially in geometrical path planning and in time parameterization. The students have to create a ROS-based demonstration framework, which can show the capabilities of MoveIt!. | B s p |
| Gábor Csorvási | Csorvasi.Gabor@ aut.bme.hu | HTML5 Based Graphical Interface for Path Planning and Robotic Development | The task is to design and implement new features for an existing GUI based on a ROS system. A Graphical User Interface is used in our department for robotic research and development. It is used for path planning purposes, but it could used for real time tracking and profiling. Our goal is to create a general tool in order to ease robot development. | A k H J; n k a la p |
| Viktor Kovács | Kovacs.Viktor@au t.bme.hu | Marker based positioning by image processing | The task is to develop an algorithm that is able to detect polygon-like shapes in camera images. These detected polygons (quads) and the reference ones are then used to estimate the 3D viewpoint (position, orientation) of the camera. Several approaches can be applied to solve the problem (line fitting, thinning, corner detection, Hough-transform, contours etc). Also several methods can be selected and compared. For viewpoint estimation the Robust planar pose algorithm is suggested. Platform: C# + OpenCV (opencvsharp) | C p (l |

EE Electric Power Systems | EE Embedded Systems | EE Multimedia Systems and Services | CE Applied Informatics | CE Internet Arcl

# Project laboratory 1

- Process
  - Check the available topics
  - Select topics
  - Check the requirements of the topic
  - Contact the relevant supervisor (email)
  - Meet with the supervisor
  - discuss any open questions
  - Agree with the supervisor
    (you chose the topic and he/she accept you)
  - Do not forget register for the Project lab course
    the neptun ID of the course depends on the department of your
    supervisor

- You could have several discussions in parallel
  If you chosen a topic and the supervisor has agreed to receive
  you, please inform the other contacted supervisors about your
  decision
- Select your topic, asap!!!!

# Free Elective Courses

**BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS**

**Faculty of Electrical Engineering and Informatics**

„Energy of N

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

edu ID Belépés

## GENERAL INFORMATIONS

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

# Free Elective Courses

| Free Elective courses : Munkalap1 | | |
|---|---|---|
| **Fall 2019** | | |
| **Title** | **credits** | **Subject description** |
| Information and Network Security | 4 | https://portal.vik.bme.hu/kepzes/targyak/VITMAV |
| Network Planning | 2 | https://portal.vik.bme.hu/kepzes/targyak/VITMAV |
| Administrating Computer Networks I. | 4 | https://portal.vik.bme.hu/kepzes/targyak/VIHIAV9 |
| Administrating Computer Networks II. | 4 | https://portal.vik.bme.hu/kepzes/targyak/VIHIAV9 |
| Introduction to Quantum Computing and Communi | 2 | https://portal.vik.bme.hu/kepzes/targyak/VIHIAV0 |
| Privacy-Preserving Technologies | 2 | https://portal.vik.bme.hu/kepzes/targyak/VIHIAV |
| Simulation of Electronics Circuits | 2 | https://portal.vik.bme.hu/kepzes/targyak/VIHVJV |
| Optoelectronics | 4 | https://portal.vik.bme.hu/kepzes/targyak/VIEEJV |
| Windows native programming | 2 | https://portal.vik.bme.hu/kepzes/targyak/VIHVAV |
| Space Technology | 4 | https://portal.vik.bme.hu/kepzes/targyak/VIHVAC |
| | | |

# For current students



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

edu D | Belépés

**GENERAL INFORMATIONS**

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

# 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

Electrical Engineering MSc Embedded or Multimedia Main Spec. (starts: Fall 2019)

Electrical Engineering MSc Electric Power Main Spec (starts: Fall 2019)

Electrical Engineering MSc 2nd and 3rd Semesters Embedded Syst Main Spec

| Day | from | till | Subject | Subject code | Course | Type | Week | Lecturers | Room |
|-----|------|------|---------|--------------|--------|------|------|-----------|------|
| Monday | 10:15 | 12:00 | Electromagnetic Fields | BMEVIHVMA08 | A2 | Theory | 2,4,6,8,10,12,14 | Dr. Bokor Árpád | V1501 |
| Monday | 10:15 | 12:00 | Electromagnetic Fields | BMEVIHVMA08 | A2 | Theory | 1,3,5,7,9,11,13 | Dr. Bokor Árpád | V1501 |
| Tuesday | 08:15 | 10:00 | Advanced Mathematics for Electrical Engineers - Stochastics | BMETE90MX55 | A0 | Theory | All | | E407 |
| Wednesday | 08:15 | 10:00 | Photonics Devices | BMEVIETMA06 | 5_A | Theory | All | Dr. Hurtony Tamás József, Dr. Pődör Bálint | V1102 |
| Wednesday | 08:15 | 10:00 | Electrical Insulations and Discharges | BMEVIVEMA14 | 1920_1_VIVEMA14_elm_angol | Theory | All | Cselkó Richárd, Dr. Berta István, Dr. Göcsei Gábor Róbert, Dr. Tamus Zoltán Ádám | E305c |
| Wednesday | 12:15 | 14:00 | Advanced Mathematics for Electrical Engineers - Stochastics | BMETE90MX55 | A1 | Practice | 2,4,6,8,10,12,14 | | QBF13 |
| Wednesday | 14:15 | 16:00 | Electromagnetic Fields | BMEVIHVMA08 | A2 | Theory | 1,3,5,7,9,11,13 | Dr. Bokor Árpád | V1501 |
| Wednesday | 14:15 | 16:00 | Electromagnetic Fields | BMEVIHVMA08 | C2 | Practice | 2,4,6,8,10,12,14 | Dr. Bokor Árpád | V1501 |
| Thursday | 08:15 | 10:00 | Photonics Devices | BMEVIETMA06 | 5_A | Theory | All | Dr. Hurtony Tamás József, Dr. Pődör Bálint | V1102 |
| Thursday | 08:15 | 10:00 | Electrical Insulations and Discharges | BMEVIVEMA14 | 1920_1_VIVEMA14_elm_angol | Theory | All | Cselkó Richárd, Dr. Berta István, Dr. Göcsei Gábor Róbert, Dr. Tamus Zoltán Ádám | E305c |
| Friday | 08:15 | 12:00 | Engineering Management | BMEVITMMB03 | AE1 | Theory | All | Kunsági László, Dr. Kósa Zsuzsanna Mária, Dr. Szűcs Gábor | IE220 |

These documents are for information purposes only!

# Subject description

## Subjects

List filter: [All units in EE ▼] [Subjects with data sheet in English ▼] [MSc ▼]
Listed: 193 subjects

| Code | Name | Department | Credits |
|---|---|---|---|
| VIAUM014 | Advanced Power Electronics | AUT | 4 credits |
| VIAUM019 | Novel Technologies and Renewables | AUT | 4 credits |
| VIAUM021 | Project Laboratory | AUT | 3 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
…

atics                                        38

# Pre-requisites

- The subject datasheet of some specialization subjects may include preliminary subject prerequisites

  - Start in the spring semester (degree program roadmap - starts: spring)
  - Start in the fall semester (degree program roadmap - starts: fall)

  MSc Specialization laboratories, pre-requisites

- Project Laboratory 1., Project Laboratory 2., Diploma Thesis Design 1., Diploma Thesis Design 2. can only be taken one after the other having completed the credits of the previous subject
- prerequisite of the admission of Diploma Thesis Design 2
  - Please check the project description about the pre-requisites

# 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, …)
- BSc program  => MSc program
  - Difficult subjects, hard assessments
  - There is no continuous monitoring
  - „freedom"
  - If you do not start learning at the beginning
  - $\Rightarrow$ You will have too much tasks at the end of the semester
  - $\Rightarrow$ You can not fulfil the subjects
  - $\Rightarrow$ You can not register for further subjects in the next semester (because of the pre-requisits)
  - $\Rightarrow$ …

# Focus on your study!

- There is no way to grant exemptions from the
  - pre-requisite rules
  - 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
  - MSc: cumulated GPA of min. 2.50 at the end of the 2nd 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** |
|---|---|---|
| MSc program | 3500EUR/semester | 2750EUR/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…

# Credit transfer

- You can transfer your previously obtained credits to BME.

- Requirement/Rules:
  - The transferred subject needs to match with the BME subject at least in 70%.
  - The deadline is the 4th week of each semester.

- Process:
  - Submit the E024 request in the Neptun system
  - Submit your transcript as well.
  - Submit the official description (in English!) of the transferred subject as well.
  - You will get the FINAL decision in 2-5 days. (No more negotiations later!)

# Student life ⇔ Study

# Thank you for your attention !