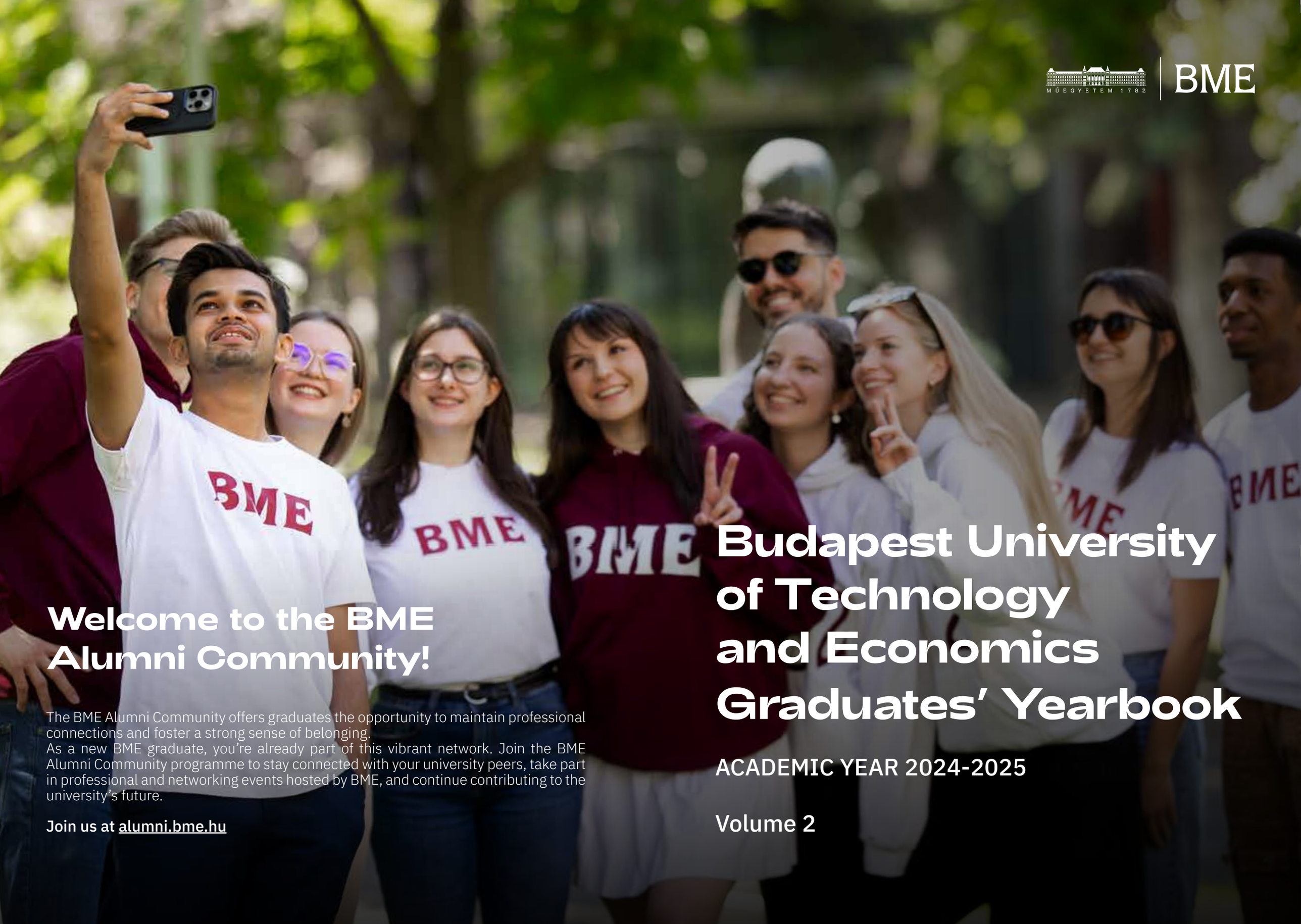
# BME Graduates' Yearbook

## ACADEMIC YEAR 2024-2025


BME



## Welcome to the BME Alumni Community!

The BME Alumni Community offers graduates the opportunity to maintain professional connections and foster a strong sense of belonging.
As a new BME graduate, you're already part of this vibrant network. Join the BME Alumni Community programme to stay connected with your university peers, take part in professional and networking events hosted by BME, and continue contributing to the university's future.

**Join us at alumni.bme.hu**

# Budapest University of Technology and Economics Graduates' Yearbook

ACADEMIC YEAR 2024-2025

Volume 2

# BME Graduates' Yearbook
# Academic Year 2024-2025 · Volume 2

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# Contents

# Farewell message

## from the Rector

Dear Graduate Students,

I would like to warmly congratulate you on receiving your degree from Budapest University of Technology and Economics. This degree will serve as an excellent passport and letter of recommendation for you, whether you plan to pursue an academic career or continue your path as an innovator in your chosen profession.

As I greet you, I am reminded of when I first arrived in Hungary 39 years ago, in a world that was completely unknown to me, without a suitcase - because it was lost on my arrival. Even without a suitcase and despite the adventurous start, I still remember coming here to study, learn, make friends, experience a new and different culture, and obtain a degree in engineering.

I received my degree in electrical engineering in 1992, in the very same hall where we are greeting you now. After graduation, I continued my doctoral studies and started working as a research fellow at my alma mater. Now, as the Rector of BME, I am responsible for educating over 20,.000 students.

You have every right to be proud of graduating from BME, **a university that gave the world four Nobel Prize laureates**. Recently, Ferenc Krausz, an alumnus of this esteemed institution, and Katalin Karikó, the Honorary John von Neumann Professor at BME, were awarded the Nobel Prize.

With the solid foundation in science education that we inherited, we provide competitive knowledge and impart our values of quality and dedication. Since 1984, our University has continuously offered education in English. Students from every continent and almost every country can benefit from the degrees they have proudly obtained at BME.

You have grown to love engineering, natural sciences, business studies, and, hopefully, Hungary in general. You've made friends, gained experience in Central and Eastern Europe and become open to a continuously changing and globalized world.

As **alumni of Budapest University of Technology and Economics**, the knowledge and skills you have acquired will give you an excellent foundation for your future professional career.

Engineers, innovators, and economic specialists frame the economy of any competitive and stable country. Remember this when you return home and make sure to invest the knowledge you have acquired here both in your own country and wherever life takes you.

**Be our ambassadors**, keep your interest in the new technologies, and don't shy away from challenges. Always thank your parents, relatives, and friends for their support and encouragement throughout your education.

To conclude my remarks, let me return to the suitcase analogy. What did BME put in your suitcase? I hope the answer includes collaboration - your ability to work together; diversity - your ability to bridge different cultures; and inclusion - an extensive network of contacts.

Along with all of the above and with a suitcase full of collective memories and smiles, you will undoubtedly prove that you have been a proud citizen of BME and deservedly so.

*Prof. Hassan Charaf*

Rector

# Farewell message

## from the Vice-Rector for International Relations

Ladies and gentlemen, esteemed faculty, proud families, and most importantly, dear graduates,

Today, we gather to celebrate not just an academic milestone, but a moment of transformation. You, our graduates, stand at the threshold of possibility, ready to step into the world armed with knowledge, resilience, and the drive to innovate. On behalf of the Budapest University of Technology and Economics, I sincerely congratulate you for completing your studies and receiving your well-deserved diplomas very shortly. Allow me to share with you some thoughts which came to my mind using the spirit of this place where you are sitting right now.

Here in the K Building Aula, you are surrounded by symbols of excellence—I am pretty sure you have walked through here several times during your studies and I just wonder if you ever looked around. If you haven´t done it, let us do it now! Please look around, look at your classmate next to you...

Let's take a moment to look at the symbols we wear. The academic gown and the mortarboard.

What are they trying to tell us?

The gown, heavy and formal, reminds us of where we've come from. It ties us to a long, scholarly tradition. It says: You are now part of something bigger than yourself — a legacy of learning, discipline, and pursuit of truth.

The gown hides distinctions. Whether we come from wealth or struggle, whether we're quiet or bold, today we all look the same — not to erase who we are, but to remind us that achievement levels the field. That education is the great equalizer.

And then there's the mortarboard — square, flat, a bit awkward, honestly. But its shape isn't random. It echoes the mason's tool — a nod to the idea that we are building something. That this isn't the end of a road, but the laying of a foundation. I

It sits on our heads, not our hearts — because today we are being recognized for the work of the mind. For the papers, the projects, the perseverance. For the ability to think critically, solve problems, and imagine beyond the present moment.

But there's something else. The tassel.

It starts on one side. Then, in one small gesture, we move it. And in that single moment, everything changes. We step across a threshold — from student to graduate.

So what is the message of the gown and the mortarboard?

It's this: You belong to a tradition — but you are also a builder of what comes next.

It says: You are ready. Not just to receive knowledge, but to carry it forward. To build, to teach, to question, to lead. You are standing on a foundation — and now, it's your turn to raise something higher.

As graduates of BME, you inherit their legacy. You are now part of a lineage that includes inventors, architects, educators, and pioneers. The knowledge and skills you have acquired here have prepared you to confront challenges that we cannot yet imagine. Whether you choose to revolutionize technology, lead groundbreaking research, or inspire the next generation, remember that your potential is boundless.

In closing, I urge you to carry with you the spirit of this institution and the lessons imparted by these icons of science and art. Be curious. Be collaborative. Be bold. The world needs engineers, scientists, managers, financial experts, who can not only solve problems but also envision possibilities, leaders who value both precision and compassion, and innovators who are unafraid to leave their mark.

In closing, I would like leave you with a thought from the great philosopher Aristotle: "The roots of education are bitter, but the fruit is sweet." Or as the famous Bill Gates put it: You think professors are tough? Wait until you have a boss!

Congratulations, graduates, and may your futures be filled with continued success and fulfillment.

Congratulations.

*Prof. András Nemeslaki*
Vice-Rector for International Relations

# Farewell message

## from the Director of the Department of Academic Affairs for Education in Foreign Languages

Dear BME Leaders, Dear Graduates, Ladies and Gentlemen!

First of all, at this excellent occasion, congratulations to the graduates on their graduation. Your persistent hard work allowed to and is acknowledged by the gaining of this diploma. As well, thank you to your parents, family, friends and all around you for the continuous and persistent support. Thanks are also due to the Hungarian scholarship programmes of Stipendium Hungaricum, Scholarship for Young Christian, for providing an excellent opportunity for many of our students to complete their studies.

I recall the time when I had the pleasure to issue your admission letter couple of years ago and now it is an honor to celebrate your graduation together.

You have a great degree, great diploma in your hands. You are now a graduate recognized all over the world, which you have achieved at the cost of persistent efforts. I can assure you that this degree is well recognized all over the world and with this degree you will stand anywherein any circumstances.

What does this degree mean? Surely: knowledge, preparedness, experience, professional esteem.

And something more.

Let me briefly explain this through my personal story.

I remember when I started my studies: the situation with my roomate didn't start easily, we had a lot of discussions and disputes, but then we became friends. A difficult beginning of a beautiful friendship. We have gone through incredible things and we are still friends today. Friendship grown, we had new fellows, classmates, new friends; friends with similar feelings, common language, common aims and strong fellowship. Our network started to grow. One day I woke up and recognized I am part of a community, an international community with people from all over the world. This is our community!

I felt we were strong, we could reach anything we want! We can solve any and every problem, we can compete even in NASA competitions, we can launch satellites, we can build the biggest bridge ever, even from pasta, we can go for Nobel prize! And we can solve social challenges, provide solutions for climate change, sustainability issues, we can help in disaster prevention, let it be earthquake in Albania or red mud in Hungary.

This is the BME community.

You are member of the BME community, you are the BME community!

The BME community cares about each other, the BME community achieves its professional goals, provides space for innovation, and shares responsibilities in social challenges. This is the BME community!

And you are permanent member of the BME community forever! In addition to the professional value of the degree, this is what makes you and us special. This connection will never vanish.

Never forget that! We are always waiting you to be back, as student, as researcher, as visitor, as partner in cooperations. And we are encouraging you to be our community ambassador.

Once again, congratulations on your degree, enjoy the moment. And I wish you much success in your life, both professionally and privately.

*Dr. László Gergely Vigh*

Director, Department of Academic Affairs for Education in Foreign Languages

# Farewell message

## from the Chairman of the Students' Union (EHK)

Dear Graduates,

Today is a day of celebration, reflection, and gratitude. On behalf of the Students' Union of the Budapest University of Technology and Economics, it's my absolute honor to stand here today and congratulate you on reaching this extraordinary milestone in your lives.

Think back to your first semester. Remember how terrifying everything felt? You probably got lost in Building K at least once, panicked over your first exam, or wondered if you'd accidentally enrolled in a marathon instead of university. Let's be honest: there were times when it felt impossible. Whether it was tackling that seemingly unsolvable problem set, staring at an endless to-do list, or pulling all-nighters just to make it to a deadline, we've all been there. But look at you now—you did it. And yet, here you are, standing at the finish line.

But today isn't just about looking back—it's about looking forward. You've earned a degree from BME, and that's a pretty big deal. You're now part of an alumni network full of innovators, problem-solvers, and world-changers. No pressure, right? But seriously, the skills you've gained here—resilience, creativity, and maybe even how to function on zero sleep—will take you further than you can imagine.

Your time here at BME was not just about acquiring knowledge. It was about innovation, collaboration, and personal growth. You've not only mastered your fields of study but also contributed to the vibrant and dynamic community that makes BME such a special place. Whether it was through research, student organizations, or simply the bonds you built with your peers, you have left your mark on this university.

As you leave today, don't forget the people who've been by your side. The friends who struggled with you, laughed with you, and helped you survive those moments when quitting seemed easier than finishing. These are the friendships that last a lifetime—don't let them fade.

And finally, a word of advice: stay curious, stay bold, and don't be afraid to fail. As Einstein said: ***"Life is like riding a bicycle. To keep your balance, you must keep moving."***

Congratulations once again, and may your future be filled with success, innovation, and boundless opportunities.

*Kitti Varga*

Chairman of The Students' Union



# Farewell message

## from a Mentor of the International Mentor Team

Dear BME Leaders, Dear Ladies and Gentlemen, and most importantly, Dear Graduates,

I would like to greet you on behalf of the International Mentor Team.

We (BME IMT) met a lot of you on your very first day in Hungary, at the airport, where some of you might have felt lost, lonely or even frightened so far away from home. We did our best to support you, and we hope your journey at BME and in Hungary has been a positive and memorable experience.

Looking back, we cherish the moments we shared with you, the international students of BME in the past few years. These experiences would not have been possible without your active participation and enthusiasm! It was so good to see you every month on some past time activities. We also had larger events, like the international balls, where we could see the festive outfits of a lot of different cultures.

During the International Weeks, we celebrated the diversity of BME by showcasing the art, music, and culinary traditions of different nations. The International Dinners allowed us to savor some of your finest dishes, creating unforgettable moments of cultural exchange and enjoyment. These events brought us immense joy, and we hope they were equally meaningful for you.

We ( BME IMT) sincerely hope, this is not farewell, only goodbye, as you will always be welcome to participate in our events in the future.

Lastly, we would like to congratulate you all for this great achievment. We hope, you will always think back with good memories to our University.

Thank you.

*Zsuzsanna Szabados*

on behalf of the BME International Mentor Team

# Farewell message

## from Elsada Neziri

Honourable Rector of BME, Deans of Faculties, BME Professors, Graduating Students,
Ladies and Gentlemen,

Today we gather not only to celebrate this academic achievement, but to honor a journey, one that brought all of us together from different corners of the world to this very place and moment.

Standing here makes me think of my first days in Budapest. I still remember the excitement but also the confusion and fear that comes with the unknown. Like many of you, I had no idea what to expect. But with the passing of time, here in these buildings, in these halls, we all found something of our own, a community. These years at BME and in Budapest have shaped us in many ways. This city and this university have witnessed our growth; our late-night study sessions, our quiet doubts, and our loudest laughter. It has given us more than an education; it has given us both resilience and a sense of belonging.

At BME, we walked the same halls as generations of brilliant scientists and engineers, individuals whose achievements have left a lasting mark on the world. The legacy of these powerful figures and Nobel laureates serves as a powerful reminder of what it means to imagine beyond convention. At BME, we've learned to approach challenges not only with technical precision, but with bold creativity. Here, we were encouraged to experiment, to fail and try again, and to believe that even the smallest reaction can spark lasting change.

I would like to thank our professors who guided us with dedication, honesty and compasion; those who taught us how to question and think critically, how to achieve our goals, and so much more. Their support and encouragement shaped our journey and inspired us to keep going.

Special thanks go to our families and loved ones, especially our parents, who supported us every step of the way, whether near or far. Your love has been our anchor. Your sacrifices and belief in us lit the way forward.

My sincere gratitude goes out to all our friends and companions, those who have supported us from the start and those we have known along the way. You made us feel at home when we were far from it.

I am also deeply grateful to the International Mentor Team, who helped us during those early days of transition. And to the Stipendium Hungaricum program, which opened the door not only to a world-class education, but to a truly life-changing experience. Budapest with its vibrant culture, stunning architecture, and beautiful Danube sunsets will always hold a part of who we are, no matter where the road takes us.

As we part ways, I know the future might still feel uncertain. But we are no longer who we were when we began this journey. We are stronger, braver, and more open to the world. We carry with us not just knowledge, but connection, not just degrees, but stories.

So, to the Class of 2025: hold on to your curiosity, your courage, and your compassion. Be kind, be bold, and never underestimate the power of starting over; because we've done it once, and we can do it again.

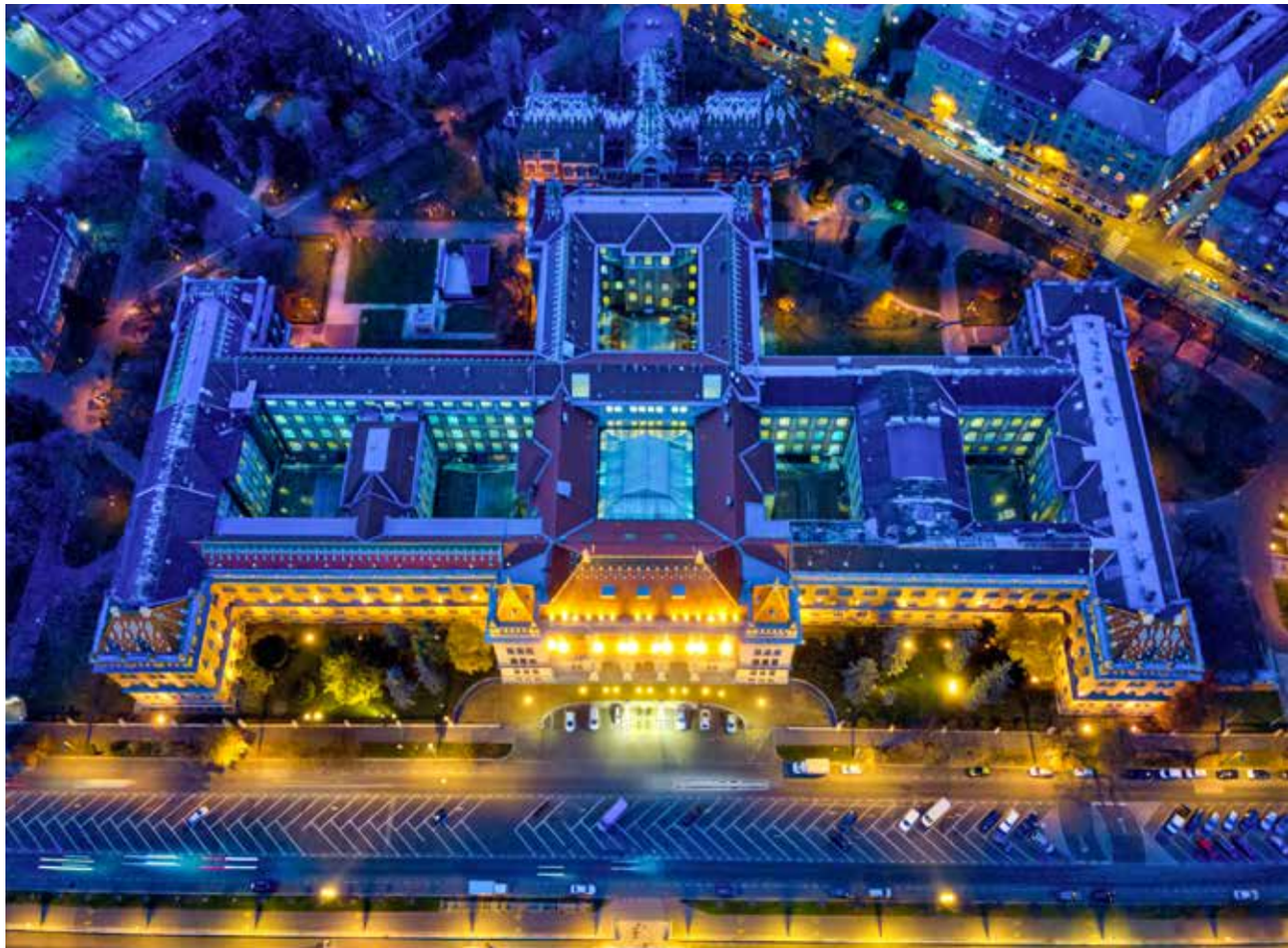
Congratulations. We made it.

Thank you.

*Elsada Neziri*

MSc. Chemical Engineering

Faculty of Chemical Technology and Biotechnology



# About

## Budapest University of Technology and Economics

Budapest University of Technology and Economics (BME) is proud of its more than two-hundred-year tradition of excellence in engineering education. It has developed into one of the largest institutions of higher education in Hungary and is one of Central Europe's most important research centres. The university considers scientific research and development to be of equal importance not only to its educational activities but also to economic and social development.

The university takes special pride in the contributions made to science, engineering, and culture by its faculty, graduates, and researchers.

**Several Nobel Prize laureates have been associated with BME:**

Dennis Gábor (physics),
Eugene Wigner (physics),
György Oláh (chemistry)
Ferenc Krausz (physics)

**Notable personalities have studied or taught at BME include:**

John von Neumann, mathematician and inventor of the computer

Edward Teller, nuclear physicist

Leo Szilárd, physicist known for his work on nuclear chain reactions

Marcel Breuer, architect

Theodore von Kármán, aerodynamic scientist

Ernő Rubik, architect and inventor of Rubik's Cube

Today, 77 departments, 12 doctoral schools and several institutes operate within the structure of eight faculties. Around 1,100 lecturers, 400 researchers and other degree holders, along with numerous invited lecturers and practising specialist experts, contribute to education and research at BME.

Approximately 2,500 of the university's 23,000 students come from 60 different countries around the world.

BME awards around 70% of Hungary's engineering degrees.

The goal of BME is to graduate professionals capable of high-level creative work—individuals who can organise and supervise production and infrastructure, conduct scientific research, contribute to technical development, solve engineering problems, and implement effective solutions.

There are more than 45 English-language training programmes at BME, including BSc/BA, MSc/MA and PhD programmes. The most recently launched include:

- Physicist-Engineer BSc – Developed in close collaboration with industrial partners, this programme focuses on rapidly developing technological fields such as quantum and nanotechnology, data science and artificial intelligence, photonics, sustainable energetics, and nuclear technology.
- Professional Pilot BSc – Offering a balanced combination of engineering fundamentals, mechanics, computer and data science, aviation technology, and management, this programme provides both theoretical and practical knowledge. It prepares students for careers as professional pilots, as well as roles in air operations and ground handling.
- Medical Physics MSc – Recommended for students interested in the practical applications of fundamental physical principles, this programme prepares graduates for clinical roles, participation in academic and industrial research, and the development and operation of modern technological methods, equipment and measuring devices.

In addition to training engineers and economists, the university also offers continuing education through:

- Undergraduate programmes in engineering and business and management
- Graduate programmes in engineering specialisations and in business administration and management
- Refresher courses to inform practising professionals about new scientific developments relevant to their work
- PhD programmes, including guidance and supervision for scientific research fellows

For more infomation, see https://xplore.bme.hu/

# Leaders of the University

**Prof. Hassan Charaf**
Rector

**Prof. András Nemeslaki**
Vice-Rector for International Relations

**Prof. János Levendovszky**
Vice-Rector for Research and Innovation

**Dr. Péter Bihari**
Vice-Rector for Education

**Prof. Gergely Zaránd**
Vice-Rector for Scientific Affairs

# Graduates

## of Budapest University of Technology and Economics

# Faculty of Civil Engineering

The Faculty of Civil Engineering is the oldest faculty of the Budapest University of Technology and Economics and can trace its history back to the University's predecessor, the Institutum Geometricum, founded by Emperor Joseph II in 1782. Since then, thousands of engineers have graduated from this Faculty to work worldwide as educators, international researchers, designers and engineering project managers.

The most essential service of the Faculty – education linked closely to research and engineering work – is reflected in the scientific activities of nearly 103 lecturers in 9 departments. They have contributed significantly to a professional, scientifically sound solution to diverse engineering problems. Out of the approximately 1200 students who study at this Faculty, ~300 students from abroad participate in the English language program annually.

The BSc engineering program in English leads to a BSc degree in four years. Two specializations are offered: Structural Engineering and Infrastructure Engineering. Graduates from the BSc Specialization in Structural Engineering can design, construct and organize the investments of mechanically, structurally and technologically complex structures in close cooperation with architects as well as transportation and hydraulic specialists. These structures include bridges and underground passages for transportation networks; power stations, cooling towers, craneways, transmission and telecommunication line structures; warehouses, industrial plants, and multi-storey buildings as well as hydraulic and water utility structures. Graduates from the BSc Specialization in Infrastructure engineering can design and construct urban and regional infrastructure, such as roads, railways, water and wastewater utilities, hydraulic constructions, and organize engineering activities in these fields. The Faculty offers four MSc programmes with a duration of 1.5 years.

The Faculty offers four MSc programmes with a duration of 1.5 years.

**MSc in Structural Engineering:**

- Specialization in Numerical Modelling
- Specialization in Structures
- Specialization in Geotechnics and Geology
- Specialization in Structures in Nuclear Power Plants

**MSc in Infrastructure Engineering:**

- Specialization in Highway and Railway Engineering
- Specialization in Water and Hydro-Environmental Engineering

**MSc in Land Surveying and Geoinformatics**

**MSc in Construction Information Technology Engineering**

These specializations are useful for research-oriented students pursuing a doctoral degree in a PhD program, as well as for the next generation of practicing leading engineers, who will solve special structural problems and innovate the construction procedures. The doctoral school of the Faculty offers a 4-year PhD program in Civil Engineering and Earth Sciences.


*The ornamental chain of the Faculty of Civil Engineering*

# Farewell message

## on behalf of the Faculty of Civil Engineering

Congratulations!

First for the degree you have obtained, but also for the hard work you have put in to achieve it. As a student from abroad, the task is perhaps even more difficult: to adapt to a new environment, to learn new cultures, new habits, to acquire professional knowledge in a foreign language, to build new personal and professional relationships. We hope that this professional knowledge, experience and network will accompany and help you in your future life.

You can be proud of your achievements, the knowledge, and professional skills you have acquired. Please do not stop learning! With a diploma in hand, always look for opportunities to improve your knowledge. It will be a new way of learning, learning from your own work experience.

The BME has been running educational programs in English for almost 40 years. In these nearly four decades, our graduates are well established in many countries all around the world, having acquired a solid foundation of knowledge. The Faculty is very proud of its graduates and their achievements and we are proud of BME's contribution to global civil engineering activities. As civil engineers, you have become useful members of the society, giving back to humanity through your knowledge. The mission of a civil engineer is to create a safe, comfortable, energy efficient and sustainable built environment for the society. I wish you great success in fulfilling this mission!

Always remember BME, your Alma Mater, be proud of being a member of our alumni; we wish you all the best!

*Dr. Nauzika Kovács*

Vice-Dean for Education,

Faculty of Civil Engineering

**Prof. Szabolcs Rózsa**
Dean, Faculty
of Civil Engineering

**Prof. Géza Kövesdi**
Vice-Dean, Faculty
of Civil Engineering

**Dr. Nauzika Kovács**
Vice-Dean, Faculty
of Civil Engineering

# Faculty of Civil Engineering — BSc

**Abdus Samad Ameen**

**Mahfooz Abbas**

**Gaukhar Akhtankyzy**

**Dastan Amanov**

**Daniiar Beishenov**

**Rami Dib**

**Ayca Evin**

**Akzhibek Khairulla**

**Bedel Makhmud**

**Sapa Meredov**

**Victoria Cherotich Naburuk**

**Namuun Naranbat**

**Akbota Sabyrkhan**

**Miras Sartmanov**

**Shokhzod Sultanmuratov**

**Ranting Wang**

**Alua Yeshim**

**Muhammad Zaighum Yousaf**

**Dilnaz Zhaksylyk**

**Prof. Szabolcs Rózsa**
Dean, Faculty
of Civil Engineering

**Prof. Géza Kövesdi**
Vice-Dean, Faculty
of Civil Engineering

**Dr. Nauzika Kovács**
Vice-Dean, Faculty
of Civil Engineering

# Faculty of Civil Engineering — MSc

**Ayman Gawad Baggash Abdullah Al-Mohamadi**

**Ana Manoela De Castro Santos**

**Batu Can Gezer**

**Abdul Khaliq**

**Sinem Kurt**

**Mirna Makhlouf**

**Zineb Ouled Ben Hammad**

**Masa Rados**

**Willy Ricardo Tapia Mazon**

# Faculty of Civil Engineering

**Gaukhar Akhtankyzy**
Faculty of Civil Engineering BSc

**Dastan Amanov**
Faculty of Civil Engineering BSc

**Abdus Samad Ameen**
Faculty of Civil Engineering BSc

**Mahfooz Abbas**
Faculty of Civil Engineering BSc

**Daniiar Beishenov**
Faculty of Civil Engineering BSc

**Rami Dib**
Faculty of Civil Engineering BSc

**Ayca Evin**
Faculty of Civil Engineering BSc

**Akzhibek Khairulla**
Faculty of Civil Engineering BSc

**Bedel Makhmud**
Faculty of Civil Engineering BSc

**Sapa Meredov**
Faculty of Civil Engineering BSc



**Victoria Cherotich Naburuk**
Faculty of Civil Engineering BSc

**Namuun Naranbat**
Faculty of Civil Engineering BSc

**Akbota Sabyrkhan**
Faculty of Civil Engineering BSc

**Miras Sartmanov**
Faculty of Civil Engineering BSc

**Shokhzod Sultanmuratov**
Faculty of Civil Engineering BSc


**Ranting Wang**
Faculty of Civil Engineering BSc

**Dilnaz Zhaksylyk**
Faculty of Civil Engineering BSc

**Ayman Gawad Baggash Abdullah Al-Mohamadi**
Faculty of Civil Engineering MSc

**Alua Yeshim**
Faculty of Civil Engineering MSc


**Muhammad Zaighum Yousaf**
Faculty of Civil Engineering MSc


**Ana Manoela De Castro Santos**
Faculty of Civil Engineering MSc

**Batu Can Gezer**
Faculty of Civil Engineering MSc

**Abdul Khaliq**
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**Masa Rados**
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**Willy Ricardo Tapia Mazon**
Faculty of Civil Engineering MSc

**Mirna Makhlouf**
Faculty of Civil Engineering MSc

**Zineb Ouled Ben Hammad**
Faculty of Civil Engineering MSc

# Faculty of Mechanical Engineering

The Mechanical Engineering Programme at the Budapest University of Technology and Economics began in 1863. The Faculty of Mechanical Engineering was established soon after, and official operations began in the academic year 1871-1872. The Faculty is justly proud of its continuous, progressive and more than 150-year history and now offers undergraduate and graduate programs in both Hungarian and English.

The Faculty of Mechanical Engineering offers a 7-semester undergraduate BSc degree program (BSc in Mechanical Engineering) in English. The new two-year graduate program in English (MSc in Mechanical Engineering Modelling) started in February 2009. Students can start their studies either in the fall or spring semester. Individual postgraduate PhD programs, usually completed in four years, are also available for those with an MSc degree and who wish to pursue a PhD degree.

**The undergraduate BSc program of the Faculty of Mechanical Engineering is designed to continue our tradition of excellence by:**

- providing well-grounded and broad knowledge that graduates of this Faculty can apply immediately in their work and also use as the basis for further studies; and
- graduating competent engineers who are not only masters of their profession but also possess an ethical philosophy of engineering based on accuracy, punctuality and reliability, as well as respect for the human element.

**The goals of our MSc and PhD Programmes are:**

- to train creative, innovative mechanical engineers who can apply the engineering skills and the knowledge they have gained from the natural sciences on a state-of-the-art level; and
- to foster the development of leaders in engineering research and development.

The Mechanical Engineering Modelling MSc programme courses deal with those time-dependent and coupled (structural and vibration analysis, fluid dynamics, heat transfer, etc.) problems of mechanical engineering, which typically require the efficient modelling of tasks to access the continuously developing methods of computational engineering. As the joke says: 'Anything designed by a civil engineer starting to move is bad. Anything designed by a mechanical engineer NOT moving is bad, too.' Modern computational methods are prevalent in the industry since they allow inexpensive and high-fidelity analysis in the design phase. However, without a profound knowledge of the underlying physical laws and the limits of these softwares, one cannot expect proper predictions.

Computational methods are reliable if they are appropriately tested, and the principles of their applied algorithms and procedures are well understood. This process is analogous to the modern cartoon industry: the 25 pictures of one second of a cartoon can be drawn by computers if the first and the last picture of that second are designed for them by the artist, but the computers will fail if they have to draw the cartoon without any reference picture or based on the first (or last) picture only.

The tasks of mechanical engineers that typically require modelling machines in motion and time-varying processes are based on solid and fluid mechanics, thermodynamics and electronics. Modelling means understanding and actively applying the related theories supported by differential equations and numerical methods in mathematics. Modelling also needs experimental work during the research-development-innovation process in case engineers do not have enough information about the motions and processes they want to capture by a model. Finally, modelling is also affected by the engineers' knowledge of design, technology, and informatics since the model should not be so complex that the available software cannot solve them within a reasonable time and for a reasonable cost.

The above principles affected the development of this master course. After the summary of the required fundamental courses (mathematics, mechanics, thermodynamics, electronics, control and informatics), the students have to choose a major and a minor specialization from the following list of modules:

**1. Solid Mechanics 2. Fluid Mechanics 3. Thermal Engineering 4. Design and Technology**

The possible combinations provide flexibility among more research-oriented knowledge (combinations of the first 3 modules) and the development-oriented one (major from modules 1-3 and module 4 as minor or vice versa).

This course is offered in English only, based on the foundations provided by the solid traditions of some successful former Faculty of Mechanical Engineering courses at BME. This course is also compatible with many master courses in mechanical engineering in the European Union (see, for example, Uni. of Bristol, Uni. of Bath, ENS Cachan, TU Karlsruhe, Uni. of Hannover, and TU Munich).

Our Faculty offers its engineering education excellence rooted in the industry. It also aims at a unique position of training decision-makers and technological leaders of tomorrow. Our aim during the training is to qualify our graduates to perform as competent problem solvers, good communicators, excellent team workers, successful project leaders, and - above all - ethical participants of the World around them – locally and globally.


*The ornamental chain of the Faculty of Mechanical Engineering*

# Farewell message

## on behalf of the Faculty of Mechanical Engineering

Since enrolling at the BME, you have heard us addressing you as “Dear Colleagues!” countless times. Please, believe me; it was not just an empty phrase from your instructors and mentors.

At the Faculty of Mechanical Engineering, we use this addressing to express that, from the beginning, we respect you and your commitment to becoming mechanical engineers and consider you an equal partner. Like you, we have given the best of our knowledge, and we celebrate your diplomas and your inauguration as engineers with you on this day. First of all, I congratulate you on your success!

The World has changed a lot recently; our and our beloved one’s health was endangered, and we are already facing a novel, even more threatening danger. These challenges have shown that peace and prosperity cannot be taken for granted. As mechanical engineers, we are problem-solving professionals; we must give the best of our knowledge wherever we can contribute to peace and prosperity. As Matt Damon said in the Martian movie: “You solve one problem, and you solve the next one and then the next. And if you solve enough problems, you get to come home.”

Dear Colleagues!

Entirely new young people are standing here, replacing the ones enrolled a few semesters ago: you have mastered the competencies and skills that make you engineers. So now the World opens up: create, innovate, use your knowledge to advance humanity, and find and serve righteous purposes. I look forward to seeing great things from you!

*Prof. Imre Orbulov*

Dean
Faculty of Mechanical Engineering



**Prof. Imre Orbulov**
Dean, Faculty of
Mechanical Engineering

**Prof. Csaba Hős**
Vice-Dean, Faculty of
Mechanical Engineering

# Faculty of Mechanical Engineering — BSc

**Dawoud Mohammad Daoud Abumaylih**

**Mohammed Abdulrahman Abdullah Al-Hakem**

**Efe Herek**

**Firuddin Heydarov**

**Azat Jolamanov**

**Luan Matos Ribeiro**

**Brendan Wanjohi Murimi**

**Lincoln Rodney Mwangi**

**Zar Ni Hein**

**Maksereypanha Nuon**

**Deyu Yang**

**Prof. Imre Orbulov**
Dean, Faculty of
Mechanical Engineering

**Prof. Csaba Hős**
Vice-Dean, Faculty of
Mechanical Engineering

# Faculty of Mechanical Engineering — MSc

**Steven Nashwan Hazim Alqis Butrus**

**Stephen Wafula Wekesa**

# Faculty of Mechanical Engineering

**Dawoud Mohammad Daoud Abumaylih**
Faculty of Mechanical Engineering BSc

**Mohammed Abdulrahman Abdullah Al-Hakem**
Faculty of Mechanical Engineering BSc





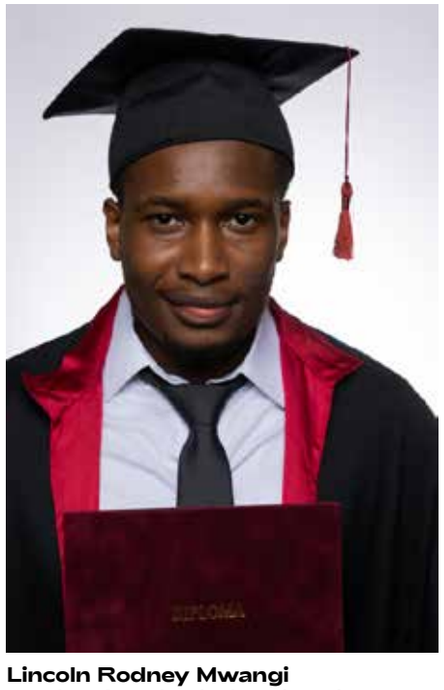
**Efe Herek**
Faculty of Mechanical Engineering BSc

**Firuddin Heydarov**
Faculty of Mechanical Engineering BSc

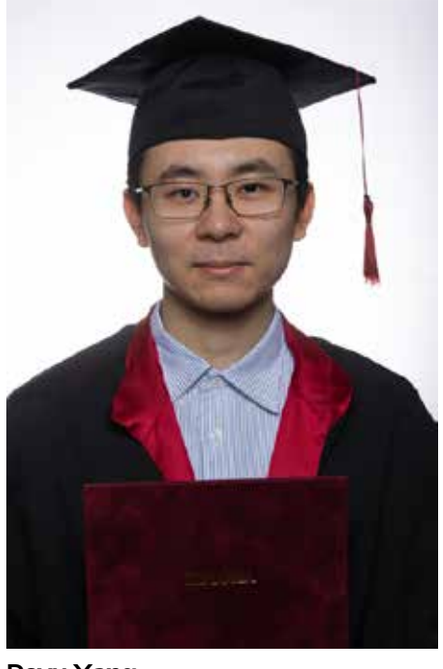
**Azat Jolamanov**
Faculty of Mechanical Engineering BSc

**Luan Matos Ribeiro**
Faculty of Mechanical Engineering BSc

**Brendan Wanjohi Murimi**
Faculty of Mechanical Engineering BSc



**Lincoln Rodney Mwangi**
Faculty of Mechanical Engineering BSc



**Deyu Yang**
Faculty of Mechanical Engineering BSc

**Steven Nashwan Hazim Alqis Butrus**
Faculty of Mechanical Engineering MSc


**Zar Ni Hein**
Faculty of Mechanical Engineering BSc

**Maksereypanha Nuon**
Faculty of Mechanical Engineering BSc

**Stephen Wafula Wekesa**
Faculty of Mechanical Engineering MSc

# Faculty of Architecture

The Faculty of Architecture focuses on training highly professional experts in architectural engineering who are aware of the social and cultural implications of their profession. Versatility is emphasised so that students will gain fundamental knowledge and abilities in every possible field of architecture and be able to find work in a highly competitive job market, and in any building- or design-related area of consulting, construction, and management.

Graduates of the Faculty of Architecture are qualified for a broad spectrum of architectural occupations:

- Design, construction and maintenance of residential, public, industrial and agricultural buildings;
- Reconstruction and the preservation of historical monuments;
- Urban design and settlement planning; and
- Administration of all these activities.

The curricula were organised on Swiss and German models. The Faculty has maintained these traditions for the last 40 years but provides additional European and international dimensions through guest lecturers from abroad, topical short courses, workshop seminars and exchange programs.

The Academic Programs of the Faculty of Architecture taught in English are in full conformity with the Integrated MSc Program and MSc Program provided in Hungarian, which after two years practice and experience are accepted for access to EUR-ING title.

Students, both International and Hungarian, who have a command of both languages can choose from either program. The participation of Hungarian students in the program given in English has obvious advantages. It eases the integration of international students into the society, which surrounds them during the years of their studies. It also attracts students from European, American and other universities worldwide to study in Budapest within the framework of the International Student Exchange Program and other agreements.

Hungarian students likewise gain the opportunity to study at schools of architecture abroad. These exchanges will become a powerful factor in achieving real convertibility among educational system worldwide and, eventually, mutual international recognition of degrees.

Graduation from the University is based on the successful completion of examinations in all subjects and on the successful defense of a diploma project in front of a Final Examination Board. The examinations are public and the Board consists of professors and eminent specialists in the profession. Diploma projects are prepared in the last semester under departmental guidance and can be submitted only by students with an “absolutorium” (university leaving certificate). The diploma project is expected to reflect its author’s familiarity with technical and aesthetic knowledge fundamental to architectural practice, and his/her creativity in applying it. Currently, international agreements make it possible for certain Hungarian students to prepare and defend their diploma projects in the university of another country.

Students from abroad can correspondingly prepare and defend their thesis projects under the guidance of the Faculty of Architecture at the Budapest University of Technology and Economics.


*The ornamental chain of the Faculty of Architecture*

*The Academic Programs of the Faculty of Architecture in English language are as follows:*

**General Course in Architecture (Pre-Engineering in Architecture, Preparatory Program)**

The 1-2 semester program called General Course precedes the Integrated MSc Program. It is designed to develop the skills of students from abroad so they will be at no disadvantage in meeting the Faculty's exacting educational standards. Students are introduced to various aspects of the profession they have selected, and they concentrate on studying English and basic technical subjects such as mathematics and freehand drawing. Successful fulfilment of the General Course is equal to a successful Placement Test. The partial fulfilment of the General Course does not replace the Placement Test. Students who successfully pass the Placement Test can start the Integrated MSc Program.

**Integrated MSc Program in Architectural Engineering**

The Integrated MSc Program is a five-year (10 semester) long training and leads directly to an MSc degree in Architecture and Architectural Engineering (Dipl. Ing. Arch.). For integrated MSc degree (10 semesters) students must accumulate min. 300 credit points. The Program requires to accomplish obligatory subjects and elective subjects too. Currently there is not BSc program offered in English language. During the Integrated MSc Program, students can choose at the beginning of the seventh semester from the following specialisations: • Real-Estate Development • Sustainable Architecture • Urban Design.

**Preparatory Year for Master of Science Program in Architecture (Pre-MSc Program)**

The 2-semester program called Pre-MSc Program precedes the MSc Program. The Pre-MSc Program is offered for students who have earned BSc degrees in other schools of architecture and could legally join the MSc Program, but could not successfully complete the entrance exam of the MSc Program. Based on the different kind of BSc studies there might be differences in their preparedness. The aim of the Program is to equal these differences and prepare the students for the MSc Program. Students are offered to join the courses of the Integrated MSc Program. There are two kinds of courses in the Program: obligatory and suggested courses. Successful fulfilment of all the obligatory courses is equal to a successful entrance exam. Suggested courses are tendered to develop the skills of students in various fields.

**Master of Science Program in Architecture (MSc Program)**

MSc Program is a two-year (4 semester) long training and leads to an MSc in Architecture. Students who have earned BSc degrees in other schools of architecture can join the MSc Program. For MSc degree (4 semesters) students must accumulate min 120 credit points. The Program requires to accomplish obligatory subjects and elective subjects too. During the MSc Program, students can choose after the first semester from the following specialisations:

• Real-Estate Development • Sustainable Architecture • Urban Design.

Note: The Faculty of Architecture reserves the right of changing the Curricula. Specialisations have a minimum required number of students to start.

The Faculty of Architecture offers Postgraduate studies in its two Doctoral Schools.

**Doctoral Studies PhD (Csonka Pál Graduate School)**

Studies in Csonka Pál Graduate School cover a wide range of scientific and engineering topics related to architecture, including urban sciences, energetics and sustainability, architectural heritage and history of architecture, structures, applied mechanics and applied geometry. The focus of this school is independent research under personal supervision.

**Doctoral Studies DLA (Doctoral School of Architecture)**

The program of the Doctoral School of Architecture leads to the PhD-equivalent degree Doctor of Liberal Arts (DLA). The four year-long curriculum strongly focuses on creative architectural design supported by project-based research.



# Farewell message

## on behalf of the Faculty of Architecture

Dear Graduating Students,

On behalf of all teachers and members of the Faculty of Architecture, I would like to congratulate you on your graduation.

The road to this university degree was not easy, especially the extraordinary semesters during the pandemic. You worked extremely hard to fulfil all of the requirements. You think that from today on, you will never draw or work at night again. Unfortunately, I have to say, you will. You have chosen a profession where you will sometimes be forced to work a lot and spend the night before submitting a plan. But the joy of the work done, the beauty of the completed project, drawing or the finished building will make you forget the great amount of effort.

I wish you to be a successful architect, planner, structural designer, constructor, landscape artist or en-trepreneur. There are so many possibilities before you. This degree of BME is a useful “passport” to your future professional career with your knowledge and special experiences, also with the relationships and lifelong international friendships you made here at BME. So, I wish you a lot of success, recognition, and health in both your professional and private life.

I hope you will come back later as postgraduate students or as scientific or architectural partners, or simple to show your family the city and university where you spent such important and memorable years.

Finally, let me share with you an important message of Kurt Vonnegut, my favourite writer:

*„Don’t worry about the future. Or worry, but know that worrying is as effective as trying to solve an algebra equation by chewing bubble gum.”*

*Dr. Ágnes Gyetvai Balogh*

Vice-Dean for International Education
Faculty of Architecture

**Prof. György Alföldi DLA**
Dean, Faculty
of Architecture

**Dr. Ágnes Gyetvai Balogh**
Vice-Dean, Faculty
of Architecture

# Faculty of Architecture — Msc

**Binderiya Batnasan**

**Mariam Bulia**

**Aikan Dzhumagulova**

**Shanay Mammadova**

**Molinda Prey**

**Nuran Ramazanova**

**Irina Vorobeva**

**Prof. György Alföldi DLA**
Dean, Faculty of Architecture

**Dr. Ágnes Gyetvai Balogh**
Vice-Dean, Faculty of Architecture

# Faculty of Architecture — OTM

**Michael Maged Shoukry Aniss**

**Giovana Antunes Benvenuto**

**Khaliun Davaa-Ochir**

**Houda Ezzaid**

**Jiaheng Liu**

**Youssef Yasser Kamal Ghobrial Mikhaeil**

**Phuoc Phuong Uyen Nguyen**

**Trong Hoang Nguyen Nguyen**

**Junfang Qi**

**Siyuan Wang**

**Kamila Zhanuzakova**

# Faculty of Architecture

**Aikan Dzhumagulova**
Faculty of Architecture MSc

**Shanay Mammadova**
Faculty of Architecture MSc

**Binderiya Batnasan**
Faculty of Architecture MSc

**Mariam Bulia**
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**Molinda Prey**
Faculty of Architecture MSc

**Nuran Ramazanova**
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**Irina Vorobeva**
Faculty of Architecture MSc

**Michael Maged Shoukry Aniss**
Faculty of Architecture OTM

**Houda Ezzaid**
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Faculty of Architecture OTM

**Trong Hoang Nguyen Nguyen**
Faculty of Architecture OTM

**Junfang Qi**
Faculty of Architecture OTM

**Siyuan Wang**
Faculty of Architecture OTM

**Kamila Zhanuzakova**
Faculty of Architecture OTM

# Faculty of Chemical Technology and Biotechnology

The education of chemical engineers and chemists has a long-standing tradition in Hungary. Hungary's earliest chemistry department was established in 1763 at the Selmecbánya Mining School, the first school to offer practical instruction in the chemical laboratory. In 1769, a common department for chemistry and botany was founded at the University of Nagyszombat, which was resettled to Buda in 1777, and later to Pest. In 1846, the Department of General and Technical Chemistry was founded at Joseph II Industrial School, a Budapest University of Technology and Economics's predecessor institution. Education of chemical engineers, separate from that of mechanical and civil engineers, reaches back to the academic year 1863-1864.

The Royal Joseph Polytechnic became a technical university in 1871. The academic freedom granted by this university-level status allowed students to freely select the subjects they wished to study.

However, the need for an interrelated, logical sequence of subjects soon became evident, so in 1892 a compulsory curriculum and timetable was introduced. From the foundation of the Faculty until 1948, only a four-year-term of studies, without specializations, was offered. Following the educational reforms of 1948, the departments of Inorganic Chemical Technology, Organic Chemical Technology, and Agricultural and Food Chemistry were established. The Inorganic Chemical Technology Department is no longer a part of the Faculty because in 1952 its tasks were taken over by the University of Chemical Industry in Veszprém. Further reforms in the 1960s extended chemical engineering studies to the MSc level and introduced the range of specialized studies identified below. A PhD program has also been established. Studies in English at the Faculty of Chemical Engineering began in the academic year 1985-1986.

Students in the BSc program receive a thorough introduction to areas basic to chemical engineering before they begin their specializations in the fifth semester. Courses of the following specializations are available to students learning in the English formation, depending on the number of applicants (at least 3 applicants) at BSc (7 semesters) levels: Chemical and Process Engineering, Industrial Pharmaceutics, Materials Science.

Students in the BSc chemical engineering program receive a thorough core curriculum. These include natural sciences as chemistry, mathematics and physics, and engineering fundamentals as unit operations, process control. We assure, that our students besides a profound theoretical knowledge, can acquire up-to-date laboratory skills, get acquainted with the machines and apparatuses used in the chemical industry, know the principles needed for their optimal operation, and develop expertise in a more specific technology within the chemical, food and light industries.

The studies are completed by performing an individual bachelor thesis project and submission of the thesis. Graduation is completed after all required credits are gained, by a successful defense of the thesis and a final examination before the Final Examination Board of professors and eminent industrialists.

In the Msc formation (4 semesters) The Modern Chemical Technology specialization offers the following elective modules (groups of subjects): analytics, biotechnology, materials science, pharmaceuticals, technology.

Chemical engineering MSc students get a high-level knowledge in natural sciences, engineering, informatics, and economics as well as in humanities. On an international comparison our curriculum is chemistry focused, and it is especially suitable for motivated applicants having carrier plans in research and development or project management.

The studies are completed by performing an individual master thesis project and submission of the thesis. Graduation is completed after all required credits are gained, by a successful defense of the thesis and a final examination before the Final Examination Board.

All programs are organized in the credit system providing a relatively high degree of freedom in subject selection, but prerequisites (at BSc level) have to be taken into account when the individual study program is set. Further information on the Faculty can be found at our website: ***http://ch.bme.hu/en/***


*The ornamental chain of the Faculty of Chemical Technology and Biotechnology*

# Farewell message

## on behalf of the Faculty of Chemical Technolgy and Biotechnology

Dear Graduated Students,

First of all, on behalf of the community of the Faculty of Chemical Technology and Biotechnology I would like to congratulate you on your graduation. You have obtained a diploma of BME, which is accepted and recognized all over the world. Be proud of this diploma, and be also proud of yourself, that you could earn it working hard during the semesters.

Generally it is fundamentally hard, if somebody learns in a foreign country, in a foreign language, even in a foreign cultural environment. You have started your studies here several semesters ago, and I hope, as the semesters passed, this foreign environment became more and more familiar, as it generally happen classes by classes, year by year. You have found new friends, you could know a little bit Hungary through the events organized for you, or by your own curiosity. I think this helped you in the adaptation resulting that the higher semesters became a little bit easier. But in your case these last semesters became, however, again extremely hard because of the pandemic situation. Chemistry is a practice-oriented scientific area which can hardly be learned well online, without the manual work in different laboratories. Thus these semesters required extra and tedious activity not only from you, but from the teachers, too. But fortunately, you could successfully overcome this last big barrier.

Now, using this big, but usual cliché, you have reached a new milestone. Some of you start to find a job, or already have it, while some of you continue learning in a master or PhD formation. I hope, that as in the previous years, some of you want to apply to our further formations. We are ready to continue the common work, hopefully under normal conditions.

Of course many of you will start to work. Nowadays there are big problems all over the world, which require the action of innovative and creative engineers. To avoid the emerging pandemic situations, or at least to reduce their seriousness, to keep the environment clean with cleaner and safer processes, to develop more efficient and cleaner methods for the energy production and consumption, simply to keep the sustainability of the Earth while making the daily life easier, so many challenges standing in front of the chemists. To resolve these problems, or at least most of them, this is a very big and important task for you. So don’t be afraid, you will have a plenty of jobs in the future.

All in all, whatever are your future plans, I wish you in my name and also in the name of our faculty a happy and successful professional and private life. And keep in your good mind BME, your Alma Mater.

*Prof. Zoltán Hell*

Course Director
Faculty of Chemical Technology and Biotechnology



**Prof. András Szarka**
Dean, Faculty of Chemical Technology and Biotechnology

**Dr. Alfréd Kállay-Menyhárd**
Vice-Dean, Faculty of Chemical Technology and Biotechnology

# Faculty of Chemical Technology and Biotechnology





## Faculty of Chemical Technology and Biotechnology — BSc

**Tara Malovic**

**Zhenhao Su**

**Jiayin Zhao**

## Faculty of Chemical Technology and Biotechnology — MSc

**Asefa Chekol Mekonen**

**Zainab Abbas Murtadha Murtadha**

**Elsada Neziri**

**Barnabás Pénzes**

**Nurzhan Tursyn**

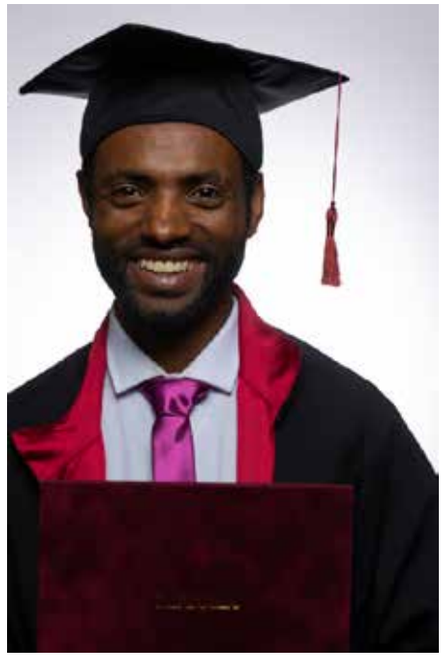
# Faculty of Chemical Technology and Biotechnology

**Tara Malovic**
Faculty of Chemical Technology and Biotechnology BSc


**Zhenhao Su**
Faculty of Chemical Technology and Biotechnology BSc




**Jiayin Zhao**
Faculty of Chemical Technology and Biotechnology BSc



**Asefa Chekol Mekonen**
Faculty of Chemical Technology and Biotechnology MSc

**Zainab Abbas Murtadha Murtadha**
Faculty of Chemical Technology and Biotechnology MSc

**Elsada Neziri**
Faculty of Chemical Technology and Biotechnology MSc

**Barnabás Pénzes**
Faculty of Chemical Technology and Biotechnology MSc

**Nurzhan Tursyn**
Faculty of Chemical Technology and Biotechnology MSc

# Faculty of Electrical Engineering and Informatics

The Faculty of Electrical Engineering, founded in 1949, has been renowned for excellence in research and education throughout the years of changes in the scope of engineering. Over this period, the faculty has earned a widespread international reputation for its high academic standards and scientific achievements.

Spearheading the movement to establish a modern education system, it has offered a comprehensive English curriculum since 1984. In 1992 the name of the faculty was changed to Faculty of Electrical Engineering and Informatics to recognize the growing importance of computer science. The education programs in English include a 3.5-year BSc, a 2-year MSc, and a 4-year Ph.D. program in the fields of electrical engineering and computer science engineering.

The undergraduate BSc Program (7 semesters) aims at providing comprehensive knowledge with sound theoretical foundations. The specializations in Electrical Engineering are infocommunication systems, embedded and controller systems, and power engineering. Studies in Computer Science and Engineering include specialization in infocommunication and software engineering. Each specialization contains courses focusing on the field of interest followed by a laboratory course and project subjects.

The MSc Program (4 semesters) advances electrical engineering, computer science, and information technology knowledge. The Electrical Engineering program offers major specializations in embedded

systems, info communication systems, and electrical machines and drives; while the Computer Science and Engineering program offers specializations in Applied Internet Architecture and Services, and Applied informatics.

The post-graduate Ph.D. program is available in all domains offered in the MSc program.

Since research and development require innovative engineering expertise, one of the major concerns of the faculty is to endow students with high-level mathematical skills in modeling complex engineering systems. This objective implies the use of the system and algorithmic theory in addition to thorough knowledge in physics. The search for optimal solutions in the highly complex architectures necessitates not only engineering but also economic considerations.

Several strategies have been designed to help students develop high-level mathematics, physics, and computation skills. Besides theoretical knowledge, they need to carry out design and development activities in communication, instrumentation, and power industries to further perfect their practical skills.

Scientific groups are formed to encourage the students to do independent but supervised laboratory work. The set of the project subjects is one of the core parts of the studies which are dedicated to independent problem solving with the armory of modern workstations and software packages. The expertise of handling these tools is inevitable in pursuing an engineering career.

The faculty maintains close contact with well-known multinational companies and smaller industrial players to strengthen the transfer of knowledge and know-how between the university and industry.

As a result, many industry experts offer their experience and knowledge as part-time lecturers, project supervisors, and examination committee members.


*The ornamental chain of the Faculty of Electrical Engineering and Informatics*

# Farewell message

## on behalf of the Faculty of Electrical Engineering and Informatics

Dear Graduating Students,

You're finally here at the end of your studies. You have spent many years working hard for this moment. You may be feeling some anxiety and excitement about what possibilities the future holds for you. Your ambition has brought us all together and we all know how many difficulties you have had to face in a foreign country and how many obstacles you have had to overcome to get to this present moment. It is your dedication and perseverance that led you all through the way to your degree.

Today doesn't represents the end of your school days, but the beginning of new heights for you as you are moving on to the next stage of your lives.

The road to a technical university degree is not easy. When you entered the university as a first-year student, the opening celebration speeches drew attention to the method how you can acquire theoretical and practical knowledge that enables you to become an international-level engineer. I hope we have shown you all the beauty and responsibility of engineering profession.

And here we are now, at the coronation of a joint effort of the student, family, and university staff – the graduation. With the valuable "passport" you all have, your degree will open up opportunities for you where you can express your creativity and your ability of innovation. You have proven yourself to be dedicated students who have the capacity to do great things in life.

Never forget the passion and commitment you have given to learning and studying at BME. Therefore, always make sure the same dedication guides your further studies and career. Moving on to a new sphere of career and dreams can be a challenging process but I am convinced that you will all succeed.

I would like to congratulate you on your graduation on behalf of all the BME Faculty of Electrical Engineering and Informatics citizens.

I wish you the best of luck in all of your future endeavors.

Farewell and good luck!

*Dr. Eszter Gerhátné Udvary,*

Vice-Dean for International Affairs
on behalf of the Faculty of Electrical Engineering and Informatics



**Prof. Sándor Imre**
Dean, Faculty
of Electical Engineerring
and Informatics

**Prof. Gábor Horváth**
Vice-Dean, Faculty
of Electical Engineerring
and Informatics

**Dr. Eszter Gerhátné Udvary**
Vice-Dean for
International Affairs,
Faculty of Electrical
Engineering and
Informatics

# Faculty of Electrical Engineering and Informatics — BSc

**Kathrine Hazem Mazen Almadanat**

**Fatjon Binaj**

**Maged Hosni Bahnam Daoud**

**Eliza Doskozhoeva**

**Hadir Helali**

**Daud Iqbal**

**Balkis Karoui**

**Abderrahmen Malouche**

**Ibrahim Ahmad Ibrahim Muheisen**

**Victor Njenga Munyambu**

**Jwana Jawad Naber**

**Hoang Duy Nguyen**

**Michael Otieno**

**Adilet Sooronbaev**

**Prof. Sándor Imre**
Dean, Faculty of Electical Engineerring and Informatics

**Prof. Gábor Horváth**
Vice-Dean, Faculty of Electical Engineerring and Informatics

**Dr. Eszter Gerhátné Udvary**
Vice-Dean for International Affairs, Faculty of Electrical Engineering and Informatics

# Faculty of Electrical Engineering and Informatics — MSc

**Mariyam Ula Abdul Rauf**

**Anar Abiyev**

**Kevin Alarcon Maza**

**Elvis Boateng**

**Jose Alejandro Burgos Zumba**

**Alejandra Paola Cuadros Rivas**

**Indra Narayan Dutta**

**Zineb Hammadi**

**Shukhrat Kulboboev**

**Issabek Muratov**

**Tien Thanh Tran**

**Minh Hoang Trinh**

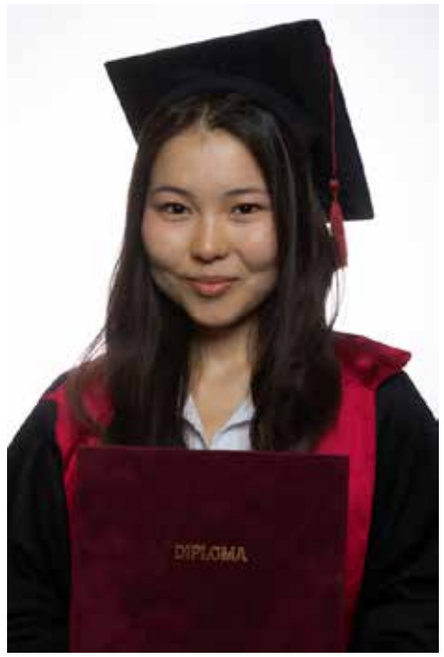
**Jiao Wang**

**Yang Xu**

**Zhexiong Xue**

# Faculty of Electrical Engineering and Informatics

**Maged Hosni Bahnam Daoud**
Faculty of Electrical Engineering and Informatics BSc



**Eliza Doskozhoeva**
Faculty of Electrical Engineering and Informatics BSc

**Kathrine Hazem Mazen Almadanat**
Faculty of Electrical Engineering and Informatics BSc

**Fatjon Binaj**
Faculty of Electrical Engineering and Informatics BSc

**Hadir Helali**
Faculty of Electrical Engineering and Informatics BSc

**Daud Iqbal**
Faculty of Electrical Engineering and Informatics BSc

**Balkis Karoui**
Faculty of Electrical Engineering and Informatics BSc

**Abderrahmen Malouche**
Faculty of Electrical Engineering and Informatics BSc

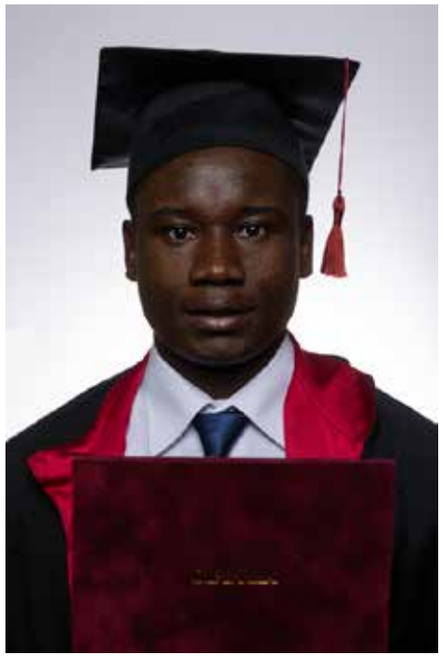
**Ibrahim Ahmad Ibrahim Muheisen**
Faculty of Electrical Engineering and Informatics BSc

**Victor Njenga Munyambu**
Faculty of Electrical Engineering and Informatics BSc



**Jwana Jawad Naber**
Faculty of Electrical Engineering and Informatics BSc

**Hoang Duy Nguyen**
Faculty of Electrical Engineering and Informatics BSc



**Michael Otieno**
Faculty of Electrical Engineering and Informatics BSc

**Adilet Sooronbaev**
Faculty of Electrical Engineering and Informatics BSc


**Mariyam Ula Abdul Rauf**
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**Zineb Hammadi**
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**Shukhrat Kulboboev**
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and Informatics MSc


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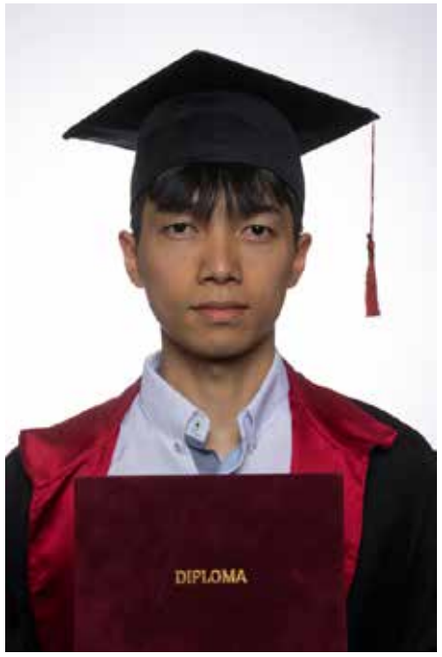
Faculty of Electrical Engineering
and Informatics MSc




**Tien Thanh Tran**
Faculty of Electrical Engineering
and Informatics MSc


**Minh Hoang Trinh**
Faculty of Electrical Engineering
and Informatics MSc

**Zhexiong Xue**
Faculty of Electrical Engineering
and Informatics MSc

# Faculty of Transportation Engineering and Vehicle Engineering


The Faculty of Transportation Engineering and Vehicle Engineering (founded in 1951) has been training engineers. There are four basic (BSc) specialisations:

- BSc in Transportation Engineering (Hungarian/English),
- BSc in Vehicle Engineering (Hungarian/English),
- BSc in Logistics Engineering (Hungarian/English),
- BSc in Professional Pilot (English)

As the second stage of the linear training courses there are four master training courses (MSc):

- Transportation Engineering master speciality (Hungarian/English),
- Vehicle Engineering master speciality (Hungarian/English),
- Logistics Engineering master speciality (Hungarian/English),
- Autonomous Vehicle Control Engineer (English).

A certified engineering qualification (MSc) can be obtained in 2 years with adequate BSc qualification. 4 semesters at these master training specialities. All the fundamental and complementary education continued by the Faculty is carried out under the rules of the ECTS (European Credit Transfer System).


*The ornamental chain of the Faculty of Transportation Engineering and Vehicle Engineering*

# Farewell message

## on behalf of the Faculty of Transportation Engineering and Vehicle Engineering

*“The only true wisdom is knowing you know nothing.”* — **Socrates.**

Dear graduates, colleagues, family, and friends,

Many thanks for choosing BME. Congratulations to you all. I would also like to thank all of the colleagues who have worked tirelessly to help all of you and have worked exceptionally hard. They are the heart and soul of this University, as they are fully committed to our mission of continuously improving education. Your teachers have served as colleagues, mentors, and friends in the previous challenging months.

We are here to award our graduating students’ diplomas. The basic idea that all of you learnt here is to focus on what you are doing and precisely know what you do not know. We were committed to providing our students with the best education to prepare them for future transportation engineering, vehicle engineering, logistics engineering or autonomous vehicle control engineering careers.

To meet the needs of our students and future employers, the faculty members are constantly thinking about how to improve what they teach. Employability is the focus of our program, and to equip our students to meet the industry’s future challenges, we need to provide our students with appropriate practical lessons and enhance their understanding through experiential learning. To support these aims, we also need to examine and recreate the knowledge base of our teaching.

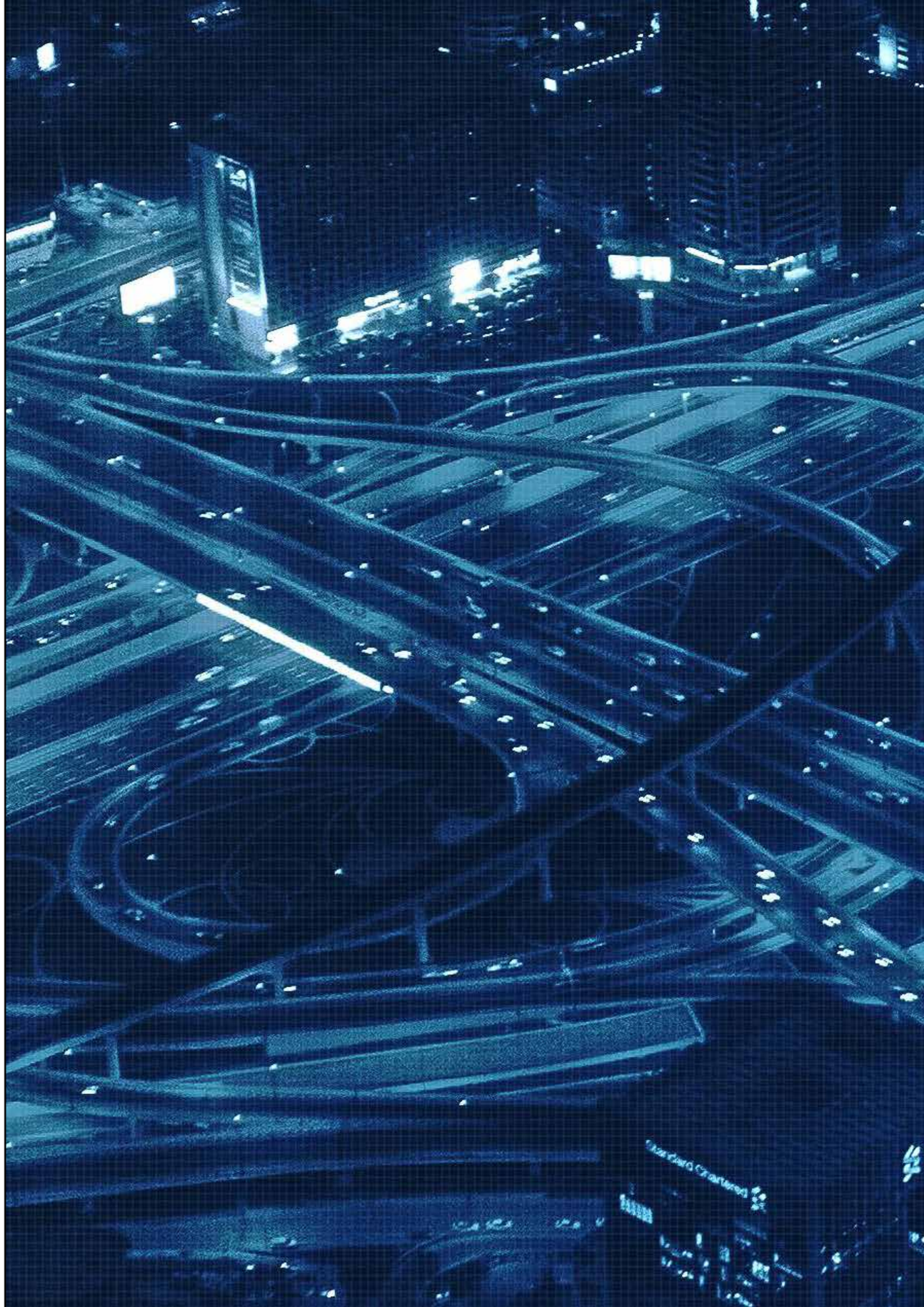
Finally, I hope you enjoyed your time, learnt a lot, and will be able to use the knowledge that you gathered here wisely.

“A great man is always willing to be little.” — Ralph Waldo Emerson

*Prof. Ádám Török*

Vice-Dean for Scientific and International Relations,
Faculty of Transportation Engineering and Vehicle Engineering





**Prof. István Varga**
Dean, Faculty
of Transportation
Engineering
and Vehicle Engineering

**Prof. Ádám Török**
Vice-Dean, Faculty
of Transportation
Engineering
and Vehicle Engineering

# Faculty of Transportation Engineering and Vehicle Engineering - MSc

**Abdelrahman I.A. Alhayek**

**Marija Cubic**

**Abdulagha Dadashev**

**Xueqing Gao**

**Fiona Susan Njeri**

**Ayham Mohammad Hasan Ramadan**

**Magd Bahgat Naguib Bahgat Shaarawi**

**Aleksandr Tugunov**

**Peace Gilbert Udoh**

**Jintao Wu**

**Xinzhe Zhang**

# Faculty of Transportation Engineering and Vehicle Engineering

**Abdelrahman I.A. Alhayek**
Faculty of Transportation Engineering and Vehicle Engineering MSc

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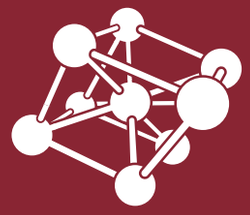
**Peace Gilbert Udoh**
Faculty of Transportation Engineering and Vehicle Engineering MSc

**Jintao Wu**
Faculty of Transportation Engineering and Vehicle Engineering MSc

# Faculty of Natural Sciences



The Faculty of Natural Sciences employs about 250 full and part time faculty members. The Faculty provides classes in Physics, Mathematics and Cognitive Science and is committed to meeting the needs of its own and other faculties.

Courses are offered on BSc, MSc and PhD degree levels. The Faculty provides post-graduate scientific training as well.

Currently more than 100 PhD students are pursuing personal programs in different areas of science. The Faculty also offers short courses on specific topics of current interest.

The Faculty of Natural Sciences administers its own BSc and MSc programs in Physics, Mathematics, Applied Mathematics, Cognitive Science and Medical Physics. Postgraduate degree programs are also offered in Reactor Technology and Nuclear Technology Management.

The BSc in Physics program, a traditional curriculum, leads to a BSc degree in 6 semesters. The facilities and scientific-tutorial background of the Institute of Physics and the Institute of Nuclear Techniques offer unique opportunities in areas like low temperature physics, acousto-optics, holography, nuclear techniques or medical physics. A further advantage of our Physics BSc Program is the engineering background provided by the Budapest University of Technology and Economics. From the fourth semester students can choose specialized courses in the topic of Advanced mathematics, Advanced physics, Computer programming, Optics, Material science, Nuclear technology, and Medical physics.

From 2023, we started a new, 7 semester long BSc program in English, “physicist-engineer”, offered for international students, too. The program focuses on rapidly developing technological areas such as quantum and nanotechnology, data science and artificial intelligence, photonics, quantum optics and materials science, sustainable energy, and nuclear technology. Several companies have endorsed with the programme to provide internship and possible future employment for the prospective graduates.

In additional 4 semesters an MSc in Physics degree can be earned. This program provides comprehensive knowledge, built upon strong theoretical and experimental bases in four areas of specialization. Students who choose the specialization “Physics” get acquainted with theoretical tools of modern physics and with state-of-the-art experimental methods. In addition to the obligatory courses, students can choose specialized professional courses in the topic of Quantum physics, Solid state physics, Statistical physics, Nanotechnology and material science, Optics and photonics, Nuclear technology,. A post-graduate PhD programme in Physics is available in all domains offered in the MSc program.

The BSc in Mathematics program follows a traditional curriculum and leads to a BSc degree in 6 semesters. It is recommended primarily for students interested in gaining a deeper understanding of various branches of mathematics, including those planning to pursue theoretical research or continue their studies in a Mathematics or Applied Mathematics MSc program.

At the same time, the program is also well suited for students who wish to apply their mathematical knowledge in industry or finance. Students can choose between two specializations: Pure Mathematics and Applied Mathematics. Within the Applied Mathematics specialization, they can further focus on one of the following tracks: Data Science, Operations Research, or Stochastics.

In an additional four semesters, students can earn either an MSc in Mathematics or an MSc in Applied Mathematics degree. The MSc in Mathematics offers a wide range of advanced courses in areas such as algebra and number theory, analysis, geometry, probability theory and statistics, discrete mathematics, and operations research. The program is highly flexible, allowing students to tailor their studies to their individual interests and future plans in academic or research careers.

The MSc in Applied Mathematics program provides several specializations that prepare students for careers in industry, finance, and research. Students can choose from the following specializations:

• Data Science: focuses on modern methods of data analysis and machine learning, with applications in science, business, and technology.

• Operations Research: equips students with the tools to model and solve optimization and decision-making problems in complex systems.

• Financial Mathematics: trains students to analyze financial markets and insurance problems, interpret stochastic models, and support decision-making in financial institutions. This specialization is also available in a dual program format in collaboration with the Central Bank of Hungary, offering practical experience alongside academic training.

• Stochastics: enables students to understand and model random phenomena in a wide range of domains, including natural and social sciences.

Courses in the Financial Mathematics, and Stochastics specializations are offered in English, while the Data Science and Operations Research specializations are currently taught in Hungarian.

The MSc in Computational and Cognitive Neuroscience program currently available in Hungarian only is designed to train researchers skilled in the complex analysis of human cognition and knowledge relying on the methods of scientific inquiry. Courses are offered in all major domains of cognitive science including cognitive psychology, neuroscience, linguistics and the philosophy of science. Students will acquire a solid foundation in both theoretical frameworks and practical competencies such as experimental design, statistical analysis and research ethics. Graduates will be able to carry out research in various areas of cognitive science combining theoretical insights and the methodologie of biological (neuroscience, experimental psychology, education science), and formal (mathematics, logic, philosophy of science, linguistics) disciplines. Graduates will be well prepared to pursue doctoral studies or to engage in applied research and development across a range of fields, including medicine, biotechnology, and education.

The Institute of Nuclear Techniques operates the Training Reactor of the BME, which is the center of the Hungarian nuclear technology education. The institute contributes to the physics programmes of the faculty with nuclear technology specializations and organizes the Medical Physics MSc program. This unique program aims to educate medical physicists with interdisciplinary theoretical and practical knowledge and application skills, who are capable of performing clinical tasks as scientists participating in academic and industrial research, developing and operating methods, equipment and measuring devices using modern technologies and monitoring the medical application of ionising and non-ionising radiation and radioactive materials. They will have knowledge of medical imaging, nuclear medicine (diagnostics and therapy), radiotherapy, radiation protection and radiobiology and are able to meet the specific requirements of medical physics.

The Institute of Nuclear Techniques also organizes several postgraduate degree programs. The two-semester Nuclear Power Plant Operation program and the four-semester Reactor Technology and the Nuclear Technology Management programs are offered to professionals working in the nuclear industry. The professional subjects include e.g. reactor physics, thermohydraulics, radiation protection, radiochemistry, reactor technology, nuclear safety and laboratory experiments. In the Nuclear Technology Management post-graduate degree program combination of nuclear technology and management knowledge and skill. This specific program has been endorsed by the International Atomic Energy Agency as 7th in the World.

The Training Reactor of the BME also regularly hosts international experimental reactor physics courses.

# Farewell message

## on behalf of the Faculty of Natural Sciences

Dear Graduating Students, Ladies and Gentlemen,

At this short ceremony, we hand you your well-deserved diploma. You certainly keep it in mind that there has been a long, persistent work behind it. It had taken you a lot of effort, hard work, completing home-works, tests, project assignments, and exams, writing a thesis. You gained a wealth of new knowledge in the meantime and you got enriched with a number of new skills. Your success involves, of course, the dedicated work of your mentors and professors. In the background, your parents, relatives and friends were always there helping you through the difficulties. A special thank should go to them now.

You are now starting your career in a world that is changing at an amazing pace. It is full of challenges for the mankind including how to provide sustainable development in several areas, how to found a circular economy, how to fight off climate change.

When studying Mathematics or Physics you got used to an abstract way of thinking and acquired complex problem-solving skills. This will help you in a wide range of fields – sometimes seemingly far from Mathematics and Physics – to have a view of certain problems that focused experts of the field might not have. While this is a chance, it is also a responsibility to look for the best solution, to keep track of all possible outcomes and to promote a logical way of thinking wherever you are. Please remember that the knowledge and the skills you acquired at the BME should always serve to build a better world around you. We hope that your knowledge will help you contribute to the above-mentioned global challenges.

We sincerely hope that you have attained a positive attitude toward Hungary, our food and customs and that you are holding a lot of good memories. We encourage you to retain the contact with your former professors, we are eager to get in touch with you as professionals in the future.

On behalf of the staff of the Faculty of Natural Sciences, I congratulate you on your graduation. We are all glad for your beautiful success. We wish you good luck, recognition and much joy for your further work and studies.

*Prof. Attila Aszódi*

Dean
Faculty of Natural Sciences

# Faculty of Natural Sciences - BSc

**Prof. Attila Aszódi**
Dean, Faculty
of Natural Sciences

**Dr. Anna Babarczy**
Vice-Dean, Faculty
of Natural Sciences



## Faculty of Natural Sciences — BSc

**Xiying Chen**

**Edrine Krasniqi**

**Anatolii Kulakov**

**Shernette Nycara Rita Rameau**

**Amirbek Ryskulov**

**Dearta Zeqiri**

## Faculty of Natural Sciences — MSc

**Nestor Fernando Acevedo Reinoso**

**Benedek Huba Máth**

**Muhammad Najeed**

# Faculty of Natural Sciences

**Xiying Chen**
Faculty of Natural Sciences BSc

**Edrine Krasniqi**
Faculty of Natural Sciences BSc



**Anatolii Kulakov**
Faculty of Natural Sciences BSc

**Shernette Nycara Rita Rameau**
Faculty of Natural Sciences BSc

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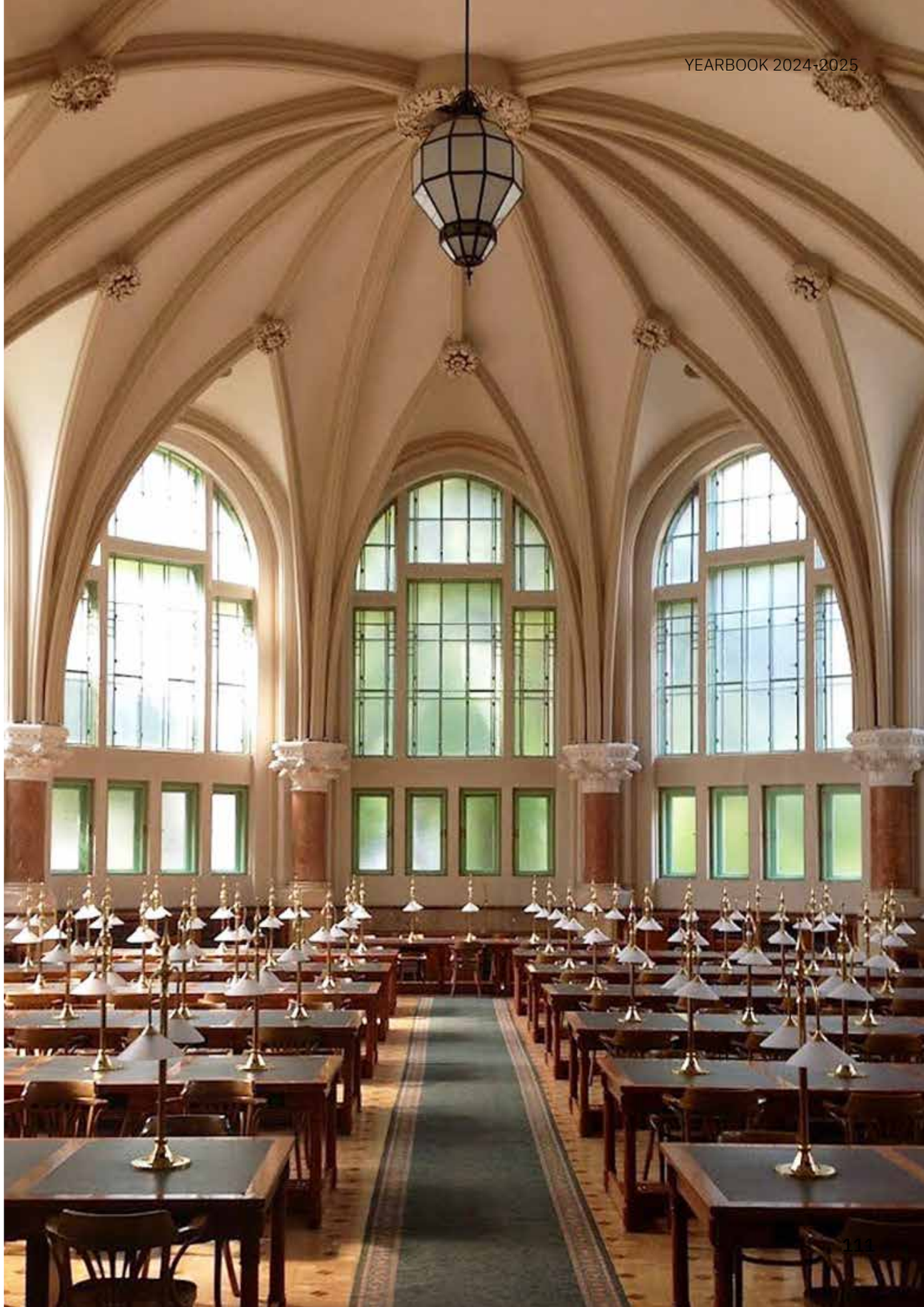
Faculty of Natural Sciences BSc

**Nestor Fernando Acevedo Reinoso**
Faculty of Natural Sciences MSc

**Benedek Huba Máth**
Faculty of Natural Sciences MSc


**Muhammad Najeed**
Faculty of Natural Sciences MSc





# Faculty of Economic and Social Sciences

Based on the long tradition of providing education in the fields of economics, management, and social sciences, in 1998 the Budapest University of Technology and Economics established a new faculty, the 'Faculty of Economic and Social Sciences', currently employing over 250 instructors and researchers. Parallel to the traditional five-year university training, the two-cycle system of the Bologna model (for BSc/BA and MSc/MA degrees) was introduced in 2006. The accredited full-time degree programmes in Economics, Engineering Management, Communication and Media Studies, as well as Teacher Training in Vocational Fields are carried out according to the latest European standards. Besides its training programmes, the Faculty co-operates closely with all the engineering faculties of the University providing courses in management, economics, social sciences, languages, and physical education. The Faculty of Economic and Social Sciences (GTK) pays special attention to the integration of theoretical and practical knowledge in its curricula and established strong professional relationships with the participants of various economic fields (profit and non-profit oriented institutions, banks, etc).

Mission Statement

Our mission is to contribute to the sustainable solution of the challenges of the coming decades through our interdisciplinary educational, research and innovation activities across the fields of engineering, economics and social sciences represented by the University. Our aim is to strengthen our position in the Hungarian and international higher education market by educating the best Hungarian and international students and by providing high quality, competitive undergraduate, master's and doctoral programmes. Our programmes focus on technological and social innovations to prepare our students to act responsibly and ethically in the rapidly changing business and social environment of the coming decades.

We strive to make the most of the opportunities offered by the cooperation between the fields of economics, social sciences and engineering. High-quality research in an international context addressing the economic, social and environmental problems of long-term sustainability can contribute to understanding and addressing both existing and emerging challenges.

Our vision is to serve as a catalyst for developing innovative professional and social communities, underpinned by our core strategic principles of Excellence, Interdisciplinarity, and Sustainability.

Our goal is to educate responsible, well-rounded students who are committed to excellence and to be at the forefront of multidisciplinary, collaborative research and innovation. The mission of BME's Faculty of Economic and Social Sciences can be formulated along the following five key values:

1) Promoting and supporting excellence in education, research, innovation and social engagement.

2) Creating a dynamic and flexible environment for the students and the academic staff to adapt to new challenges and opportunities.

3) Unique opportunities and programmes to help students and lecturers excel and advance their careers.

4) Providing versatile teaching and research opportunities that enable students to acquire a wide range of knowledge and skills.

5) To create an open and inclusive community that encourages diversity, dialogue and cooperation, both professionally and in the public sphere.

**Education and Research Activities**

In 2025, the total number of participants of different graduate-, postgraduate and distance learning forms of training launched by the Faculty is over 4500.

BME GTK offers several master's programmes (Master in Management and Leadership, Master in Finance, Master in Regional and Environmental Economics, Master in Engineering Management) as well as a Business and Management Ph.D. programme in English for both international and Hungarian students. Although the BME GTK master's programmes do not include a mandatory internship, they integrate practical learning experiences through corporate partnerships, industry guest lectures, and project-based courses. In addition to the international master's programmes, the English-language BSc in Engineering Management programme will be launched in the 2025-2026 academic year.

Our programmes focus on interdisciplinary themes, as well as on economic, technical and social innovation to equip our students with the most relevant and up-to-date knowledge and skills.

One of our outstanding international and disciplinary broadening programmes is the Intensive Seminar, which has been offered since 1996 to our master students. During this programme, international and local experts are invited to deliver thought-provoking lectures about the key challenges of leaders in different industries and business functions for nearly 400 master's students each autumn.

The GTK is responsible for the development of various soft skills in the institution. Small group training courses are available in interdisciplinary groups with the engineering faculties, as well as optional courses in small groups, targeted at the development of communication skills or specific areas of communication skills. Foreign language learning is also available, provided by the Centre of Modern Languages, and students can take accredited language exams at the BME Language Examination Centre. A further customized way of developing managerial soft skills (e.g. EQ, debating, communication, time management) is available as part of the Intensive Seminar. The structure of the Intensive Seminar allows and requires each student to attend at least one skills development workshop, which can be complemented by others as needed.

The University offers a wide range of curricular and extra-curricular forms of physical education. The Department of Physical Education co-operates with the University Sports Club and other student sports organizations.

The BME, and consequently the Faculty as well is strongly research oriented. Most of the professors are engaged in applied or in theoretical research activities. Research results appear directly in the teaching programmes of the courses, or indirectly in journal papers, books and other teaching materials authored by our colleague.

# Farewell message

## on behalf of the Faculty of Economic and Social Sciences

Dear Graduating Students, Dear Young Colleagues,

First of all, on behalf of all members of the Faculty of Economic and Social Sciences (GTK), I would like to congratulate you on your successful graduation.

The GTK is one of the youngest faculties of the University although its history dates back to the early years of the last century. By establishing the first Faculty of Economic Sciences in 1934 in the country, the Hungarian Royal Palatine Joseph University of Technology and Economics, the predecessor of BME, has pioneered social sciences education in Hungary. Apart from providing degrees in economics and business studies, the Faculty also played a role in teaching students of the engineering faculties of the university.

As part of the BME, GTK plays a key role in the university's mission to be a global leader in education. BME's emphasis on obtaining and maintaining prestigious international accreditations reflects its dedication to upholding the highest standards in both teaching and research. Our Faculty is proud to be at the forefront of these efforts, continuously improving the quality of our programmes to meet international benchmarks. Beyond the core educational offerings in management, economics, and finance, GTK also prioritizes interdisciplinary education, recognizing that the most pressing global challenges require expertise across multiple fields. The university encourages collaboration between schools, allowing students to draw on BME's strength in engineering, technology, and the sciences to complement their studies in economics and management. This interdisciplinary approach fosters a well-rounded education, preparing students to become versatile leaders capable of addressing complex, multifaceted problems in both business and society. As a result, the Faculty of Economic and Social Sciences continues to attract a diverse and talented student body, further enhancing BME's reputation as a leading institution in Hungary and beyond.

The Faculty provides an educational experience that fits into the interdisciplinary environment defined by the engineering faculties at the university. At present, the Faculty has around 4000 students studying in 6 undergraduate (BA/ BSc), 11 graduate (MA/MSc), and one doctoral programme (Ph.D.) taught by more than 100 professors in the fields of economic and social sciences. Four of our master's degree programmes (Finance, Management and Leadership, Regional and Environmental Economics, Engineering Management) and the Ph.D. programme belong to the English language education portfolio of the Faculty. We are glad to announce that these opportunities can further develop with the Bachelor programme in Engineering and Management starting in the 2025-2026 academic year.

Building upon the rich heritage of our Faculty and BME, our mission is to contribute to the solution of the societal challenges of the 21st century by facilitating cross-disciplinary learning and collaboration across the engineering, natural science, and social science domains represented by the eight faculties of BME. The close cooperation with engineering and natural science faculties helps to foster the synergies between technology, economic and social sciences and motivate the integration of modern technologies into the curriculum. To enhance excellence in management education and development we are members of the European Foundation for Management Development (EFMD), the Global Association of Risk Professionals (GRASP FRM), and the CFA Institute. In line with the GTK's signatory membership in UN PRME (Principles for Responsible Management Education), the seven principles of PRME, such as purpose, values, and responsible management, are embedded in the curricula to ensure ethical and sustainable practices. Furthermore, the UN Sustainable Development Goals are also integrated into the programmes. The Faculty also focuses on the integration of the BGA (Business Graduates Association, division of AMBA) validation method, ensuring that the programmes are benchmarked against global best practices, including aspects of innovation, societal impact, and continuous improvement.

Among our international achievements, we are especially proud that two of our Master's programmes – Management and Leadership MSc and Finance MSc – have received EFMD Programme Accreditation, a prestigious recognition awarded to a select group of high-quality programmes worldwide. This accreditation confirms our commitment to academic excellence, international relevance, and continuous improvement.

We are also delighted that alumni have actively joined the GTK's Intensive Seminar programme, bringing valuable perspectives and enriching the learning experience for our current students. We warmly welcome and actively encourage these contributions in the future as well, as we continue to strengthen opportunities for collaboration with our alumni community.

Considering the BME GTK's vision, we aspire to be a catalyst for fostering innovative, ethical, and sustainable professional and social communities. By prioritizing excellence, interdisciplinarity, and sustainability (as strategic principles), we will drive positive change and responsible development. Our mission is to cultivate responsible, well-rounded, and ethically minded students who excel in their fields. We are committed to pioneering multidisciplinary, collaborative research and innovation that addresses global challenges with sustainability and social responsibility at its core.

Our programmes focus on technical and social innovation to equip our students with the most relevant and up-to-date knowledge and skills to tackle the rapidly changing business and social environment of the coming decades. I hope that due to your knowledge and skills you can participate in the transformation and use your skills to find the solutions for the recent and upcoming challenges. I do not only wish you success in your professional life but also an open mind to understand the complexity of the world and perseverance to make it better.

As you step into the next chapter of your lives, remember that you carry the values and vision of a Faculty that believes in the power of knowledge, collaboration, and responsibility. Wherever your journey takes you, may your time at GTK continue to inspire you to lead with purpose, think critically, and act sustainably.

Congratulations once again – and always stay connected to the BME GTK community!

*Dr. Mária Szalmáné Csete*

Associate Professor, Vice-Dean for International Affairs
Faculty of Economic and Social Sciences

*The ornamental chain of the Faculty of Economic and Social Sciences*

**Prof. Tamás Koltai**
Dean, Faculty
of Economic
and Social Sciences

**Dr. Mária Szalmáné Csete**
Vice-Dean, Faculty
of Economic
and Social Sciences

# Faculty of Economic and Social Sciences - MSc

**Aishath Iba Abdul Rauf**

**Muhammad Abdullah**

**Koray Adigüzel**

**Issa Jeries Eid Alfakhouri**

**Lala Alizada**

**Arzu Allahveranova**

**Boróka Dorinka Babos**

**Maryam Bashir**

**Tifani Dienes**

**Dina Doszhanova**

**Gábor Ábel Edelmayer**

**Waleed Jeries Barham Farraj**

**Hector Javier Garcia Higuera**

**Wenyue Guo**

**Asmaa M A Hajhamad**

**Saida Huseynli**

**Prof. Tamás Koltai**
Dean, Faculty
of Economic
and Social Sciences

**Dr. Mária Szalmáné Csete**
Vice-Dean, Faculty
of Economic
and Social Sciences

# Faculty of Economic and Social Sciences - MSc

**Joshua James**

**Tasmia Kashaf**

**Avneet Kaur**

**Dina Koptleuova**

**Kamilla Kovácová**

**Petra Eszter Králik**

**Yifan Luo**

**Masood Mallah**

**Murad Mammadov**

**Emmanuel Ashish Michael**

**Nimia Melissa Giselle Murua Paz**

**Phuong Thao Nguyen**

**Gréta Papp**

**Krisztina Péter**

**Shahriyor Rahimzoda**

**Bongani Dodridge Sechaba**

**Prof. Tamás Koltai**
Dean, Faculty
of Economic
and Social Sciences

**Dr. Mária Szalmáné Csete**
Vice-Dean, Faculty
of Economic
and Social Sciences

# Faculty of Economic and Social Sciences - MSc

**Amir Hamzah Bin Shaarifuddin**

**Ahmed Shauraf**

**Mohammad Shoaib**

**Atieh Soltani**

**Maria Monica Suarez Vargas**

**Richard Andrew Szabo**

**Melani Szarka-Balog**

**Tazrian Azad Tithi**

**Márton Benedek Werner**

**Chenyang Yu**

**Zohra Yusifli**

# Faculty of Economic and Social Sciences

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Faculty of Economic and Social Sciences MSc

**Issa Jeries Eid Alfakhouri**
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**Aishath Iba Abdul Rauf**
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**Muhammad Abdullah**
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**Lala Alizada**
Faculty of Economic and Social Sciences MSc

**Arzu Allahveranova**
Faculty of Economic and Social Sciences MSc

**Boróka Dorinka Babos**
Faculty of Economic and Social Sciences MSc

**Maryam Bashir**
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**Gábor Ábel Edelmayer**
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**Waleed Jeries Barham Farraj**
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**Tifani Dienes**
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**Hector Javier Garcia Higuera**
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**Wenyue Guo**
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**Asmaa M A Hajhamad**
Faculty of Economic and Social Sciences MSc

**Saida Huseynli**
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**Avneet Kaur**
Faculty of Economic and Social Sciences MSc

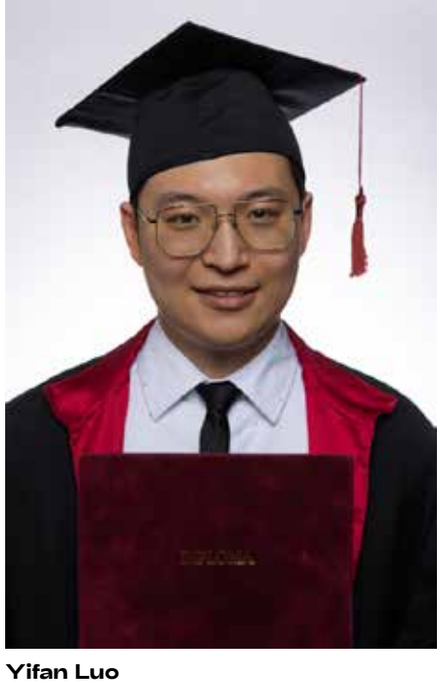
**Dina Koptleuova**
Faculty of Economic and Social Sciences MSc

**Joshua James**
Faculty of Economic and Social Sciences MSc

**Tasmia Kashaf**
Faculty of Economic and Social Sciences MSc

**Kamilla Kováčová**
Faculty of Economic and Social Sciences MSc

**Petra Eszter Králik**
Faculty of Economic and Social Sciences MSc



**Yifan Luo**
Faculty of Economic and Social Sciences MSc

**Masood Mallah**
Faculty of Economic and Social Sciences MSc

**Nimia Melissa Giselle Murua Paz**
Faculty of Economic and Social Sciences MSc


**Phuong Thao Nguyen**
Faculty of Economic and Social Sciences MSc

**Murad Mammadov**
Faculty of Economic and Social Sciences MSc


**Emmanuel Ashish Michael**
Faculty of Economic and Social Sciences MSc

**Gréta Papp**
Faculty of Economic and Social Sciences MSc


**Krisztina Péter**
Faculty of Economic and Social Sciences MSc

**Shahriyor Rahimzoda**
Faculty of Economic and Social Sciences MSc

**Bongani Dodridge Sechaba**
Faculty of Economic and Social Sciences MSc

**Amir Hamzah Bin Shaarifuddin**
Faculty of Economic and Social Sciences MSc

**Ahmed Shauraf**
Faculty of Economic and Social Sciences MSc



**Mohammad Shoaib**
Faculty of Economic and Social Sciences MSc

**Atieh Soltani**
Faculty of Economic and Social Sciences MSc

**Maria Monica Suarez Vargas**
Faculty of Economic and Social Sciences MSc

**Richard Andrew Szabo**
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**Melani Szarka-Balog**
Faculty of Economic and Social Sciences MSc


**Tazrian Azad Tithi**
Faculty of Economic and Social Sciences MSc

**Zohra Yusifli**
Faculty of Economic and Social Sciences MSc


**Márton Benedek Werner**
Faculty of Economic and Social Sciences MSc


**Chenyang Yu**
Faculty of Economic and Social Sciences MSc

# Graduates of Budapest University of Technology and Economics




### Faculty of Civil Engineering

**BSc**

Abdus Samad Ameen
Mahfooz Abbas
Gaukhar Akhtankyzy
Dastan Amanov
Daniiar Beishenov
Rami Dib
Ayca Evin
Akzhibek Khairulla
Bedel Makhmud
Sapa Meredov
Victoria Cherotich Naburuk
Namuun Naranbat
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Hadir Helali
Daud Iqbal
Balkis Karoui
Abderrahmen Malouche
Ibrahim Ahmad Ibrahim Muheisen
Victor Njenga Munyambu
Jwana Jawad Naber
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Adilet Sooronbaev
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Anar Abiyev
Kevin Alarcon Maza
Elkhan Aslanov
Elvis Boateng
Jose Alejandro Burgos Zumba
Alejandra Paola Cuadros Rivas
Indra Narayan Dutta
Zineb Hammadi
Ismayil Ismayilzada
Shukhrat Kulboboev
Riad Larbi
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Gustavo Henrique Moers
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Ayham Mohammad Hasan Ramadan
Arystan Sabir
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Dearta Zeqiri

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Benedek Huba Máth
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Koray Adigüzel
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Tifani Dienes
Dina Doszhanova
Gábor Ábel Edelmayer
Varvara Egorova
Ziad Medhat Sobhy Elmokadem
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Wenyue Guo
Asmaa M A Hajhamad
Saida Huseynli
Joshua James
Tasmia Kashaf
Avneet Kaur
Dina Koptleuova
Kamilla Kovácová
Petra Eszter Králik
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Kanan Maksimov
Masood Mallah
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Máté Mészáros
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Gergely Tanai
Tazrian Azad Tithi
Alina Umirzak
Márton Benedek Werner
Chenyang Yu
Zohra Yusifli

# Opening ceremony

# Student life at BME

*“Participating in the TDK Scientific Conference was a transformative experience that significantly enhanced my skills and confidence. This event, organized by BME, marked a defining moment in my academic journey, unlocking my potential and shaping my future aspirations.“*

- Muhammad Zaighum Yousaf

*“Some of my favorite memories at BME are the late-night study sessions that started with panic and ended in laughter. We’d be exhausted, eating junk food, trying to stay focused, and somehow still managing to have fun. I’ll always remember the feeling of finally getting something after struggling for hours, it felt like winning a small battle. The campus in spring always made everything feel a bit lighter, like a quiet reminder that we were getting closer to the finish line. But more than anything, it’s the people I met that made it all truly special.“*

- Jwana Naber


*“One of my favorite memories at BME was working late in the architecture studio with classmates, sharing ideas, snacks, and sometimes even quiet frustrations, it felt like a second home. The support from professors and peers during stressful times truly shaped my experience. These years taught me resilience, creativity, and the value of collaboration.“*

- Aikan Dzhumagulova

*“Coming to Hungary to study at BME was one of the boldest and most defining decisions of my life. It wasn’t easy being far from home, but through resilience, hard work, and unwavering belief in my purpose, I kept pushing forward. There were tough moments, but I reminded myself daily that “Hope must never die.” That mindset carried me through long nights, tight deadlines, and every challenge I faced. BME didn’t just educate me, it transformed me.”*

- Bongani Dodridge Sechaba


*“Between tracing paper and coffee cups, we built friendships. Conversations wandered from design to dreams, and the quiet support we gave each other meant more than grades. These two years will stay with me like sketches in a favorite notebook—imperfect, real, and full of heart.“*

- Binderiya Batnasan

*“These two years were incredibly intense and full of joyful moments. The challenges I faced revealed sides of myself I had never known before. This chapter of my life is coming to an end, but it’s filled with bookmarks and highlighted lines I’ll return to time and again. BME will always have a special place in my heart.“*

– Irina Vorobeva

*“The campus sunsets from the top floor of building Q and the random deep talks after class made me realise how special this place really is.”*

- Maged Daoud

*"I remember the first day at university when I came to K building and I was truly fascinated by the spectacular architecture and history of it, but it was a little heart shattering to know that electrical engineering faculty is on the other side and more modern."*

- Daud Iqbal


# Building friendships in Budapest

*“Found the best of friends during my journey at BME who are now irreplaceable in my life! Truly, couldn’t have done it without the support of them.“*

– Aishath Abdul Rauf

*“One of the most important things I learned during my time at BME is how valuable it is to have friends by your side. Studying together, sharing notes, and supporting each other through the tough times made all the difference. Without my classmates, it would have been much harder to keep going. The friendships we built went beyond academics, they made the experience meaningful. I’m truly grateful for the people I met along the way.”*

– Kamila Zhanuzakova


*“Some of my best memories at BME are late-night study sessions with my friends, filled with laughter and stress. We helped each other through every challenge, from exams to thesis deadlines. Those moments turned classmates into a second family. I’m leaving BME not just with a degree, but with friendships that will last a lifetime.“*

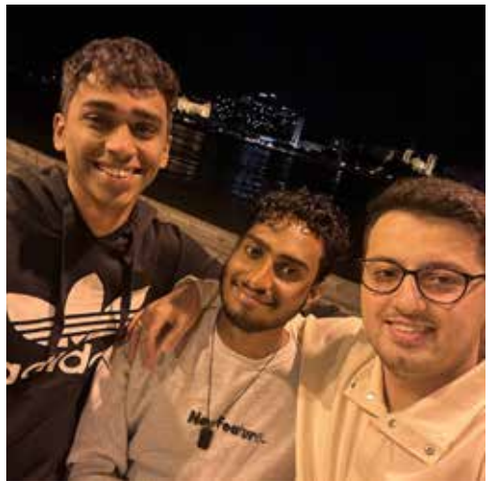
– Ayman Al-mohamadi

*“The experience in BME gave me good friends that I consider as a second family now.”*

- Jose Burgos

*“One of my best memories from BME is meeting the amazing friends who made even the toughest days easier. I’ll always remember the late-night talks and cooking sessions in the dormitory that brought us closer.*
*The support from my professors truly shaped my academic journey. These years gave me more than knowledge —they gave me lasting friendships and unforgettable moments.“*

-Zineb Ouled Ben Hammad



# Our life in Hungary


*“Nobody said it was easy, but it was truly one of the greatest challenges of our lives. I am truly grateful to BME for all the unforgettable moments - the fascinating subjects, the wild field courses and trips, the sleepless nights - and, most of all, for the opportunity to grow if you’re willing to take it. But above everything, I’m thankful for the people I met along the way: amazing friends, classmates from all over the world, inspiring professors, and mentors. I will carry these memories like a quiet flame through the years - a gentle reminder of who I was in my twenties. Within the pages of this book and the photographs it holds, a version of us will always remain: young, radiant, and full of hope. Here we are, in the heart of Europe, in Budapest - when the world felt wide open and life was just beginning.“*

- Alua Yeshim


*“One of my favorite memories at BME was my very first day in Hungary. Right after arriving, I joined a sports event organized by the IMT team and found myself playing beach volleyball for the first time. The friendly atmosphere made it easy to connect with others and start building friendships from day one.“*

- Abdelrahman Alhayek





*“At BME, I not only acquired professional knowledge but also learned about the culture of the city of Budapest. I love the people here as well as the delicious food. As an international student from China, I am very happy to choose this country and start my master’s career here. I hope the friendship between China and Hungary will last forever.“*

- Jintao Wu

# Goodbye

## from the BME Staff!

**Department of International Academic Affairs**
Dr. László Gergely Vígh, Marina Mamuzic, Renáta Daru-Dudás, Dr. András Nemeslaki, Eszter Tóthné Mischl, Dénes Oross

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**Central Academic Office**
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**International Mentor Team**

# We look forward to seeing you again soon!

The BME journey lasts a lifetime—and often continues across generations.

Stay connected with BME: join the Alumni Community at **alumni.bme.hu**


# BME

Throughout its 243-year existence, Budapest University of Technology and Economics has been an influential force in Central European higher education. Since its foundation as the Institutum Geometricum in 1782, the university has welcomed both domestic and international students. It is one of the most prestigious institutions for engineering education in the region and serves as Hungary's flagship university for the training of engineers and social scientists. Several world-famous scientists—including Nobel Prize laureates and other renowned figures—call Budapest University of Technology and Economics their alma mater. The diplomas issued by the university are well known and respected around the globe

BME Graduates' Yearbook
Academic Year 2024-2025