International students of the Budapest University of Technology and Economics are invited to apply for taking one or two courses of AIT (Aquincum Institute of Technology). See the home page http://ait-budapest.com/ for further information about AIT and its program, and the attached schedule of courses.

All students in the Faculty's BSc, MSc programmes are eligible to apply.

The programme will take the form of face-to-face training at the AIT building in the Graphisoft Park, see https://www.ait-budapest.com/about-ait/campus It takes about an hour to travel between this campus and that of BME.

Students may apply for taking one or two among the courses below. If selecting multiple courses please indicate your priorities. Please note that the number of available places is limited, admission is not guaranteed.

- Leadership and Entrepreneurship Studies (2×2 hours weekly – 4 credits)
- User Experience Design (1×2 hours weekly – 2 credits)
- Design Workshop (2×2 hours weekly – 4 credits)
- Scalable Systems and Development Processes (2×2 hours weekly ONLY in the first part of the semester – 2 kredits)
- Semantic and Declarative Technologies (2×2 hours weekly – 4 credits)
- Graph Theory (2×2 hours weekly – 4 credits)
- Combinatorial Optimization (2×2 hours weekly – 4 credits)
- Theory of Computing (2×2 hours weekly – 4 credits)
- Data Science (2×2 hours weekly – 4 credits)
- Algorithms and Data Structures (2×2 hours weekly – 4 credits)
- Computer Graphics (2×2 hours weekly – 4 credits)
- Quantum Probability and Quantum Logic (2×2 hours weekly – 4 credits)
- Applied Cryptography (2×2 hours weekly – 4 credits)
- Mobile Software Development (2×2 hours weekly – 4 credits)
- Structure and Dynamics of Complex Networks (2×2 hours weekly – 4 credits)

Courses completed count as free electives.

Exceptions: Courses cannot be taken because of overlap with compulsory subjects, below marked with an „X" in the table:

Course name	Computer Engineering		Electrical engineering	
	BSc	MSc	BSc	MSc
Graph Theory	X	X	X	X
Combinatorial Optimization		X		X
Theory of Computing		X		
Algorithms and Data Structures	X	X		
Computer Graphics	X			

and furthermore those below

- The Mobile Software Development course cannot be taken by students who have completed the Mobile and Web Software (VIAUAC00) or Android-based Software Development (VIAUAV21) courses,

- Data Science cannot be taken by those students, who have completed Introduction to Data Science 1 (TE95AM36),

- MSc students who have completed Computer Graphics 1 (VIIIAB07) are not eligible to take Computer Graphics,

- the Semantic and Declarative Technologies course is not open to students who have completed the Declarative Programming (VISZAD00, VISZA403, VISZA402) or the High Performance Declarative Programming (VISZMB01, VISZM232) courses,

- students who have completed the Security Protocols (VIHIMA05) course are not eligible to take the Applied Cryptography course.

ATTENTION:

In the attachments you will find the AIT timetable, which shows the times of the courses. By public transport, the travel time between BME and the AIT campus is approximately 60 minutes.

The application must include:

- a completed application form (no need to print and sign!) indicating the subjects chosen:
    - 1 to indicate the subject you wish to select in the first instance
    - 1-3 additional subjects, marked with 2, which you would take if you were unable to take the first subject

Deadline of the application is ==**August 23., 2024** **by 23:59 pm**==

Winning applicants are also welcome to attend the Orientation Weekend for US students on 30 and 31 August 2023

Submission of the application:

The completed application form must be sent by e-mail to palyazat@vik.hk

Notification: contact details provided on the form.

Questions can be sent to Professor András Recski at recski@cs.bme.hu