



**ALGEBRA**

# Algebra Spring BIP

From Design to TSHOOT:  
Engineering Complex Networks

✓ **7 – 11 April 2025**

Algebra University  
Zagreb, Croatia

**Virtual component:**

in the week from 17 until 21 March 2025

**Credits:** 3 ECTS



# ALGEBRA CAMPUS

- 12.500 m<sup>2</sup>
- Audio / Video Studio
- 80 servers & a supercomputer
- 3D printers
- VR Equipment
- Computer Labs
- IoT and Robotics
- Game Zone

Campus flyover video on the [link](#).  
📍 [Gradišćanska street 24,](#)  
[10000 Zagreb](#)



# Croatia

## Your live and learn destination

- Beautiful nature
- Spectacular beaches
- Island hopping
- Soaring mountains
- Quirky museums
- Amazing historical sites
- Outdoor activities
- Incredible summer festivals
- Fairytale Christmas markets
- Croatian cuisine



# Algebra University

The first private technical  
University in the Republic  
of Croatia

Creating digital  
future for 26 years



[www.algebra.university](http://www.algebra.university)

<https://www.youtube.com/watch?v=dUB3sfHVGXI>

# International Environment

## WHAT ARE BIPs?

**Blended Intensive Programmes** (BIPs) organized by Algebra University under Erasmus+ allow students from partner universities across Europe to connect and learn, combining on-campus classes at Algebra with online sessions.

The goal is to create a group of participating students from various nationalities, educational and expertise backgrounds. Apart from acquiring new knowledge and skills, students will further develop soft skills of communication and inter-cultural dialogue through group and project activities.

## ALGEBRA BUDDY PROGRAM

Algebra Buddy connects international students with Algebra Buddies – local students willing to help them at Algebra. Buddies can help international students explore Zagreb, reveal tips and tricks about studying at Algebra, and above all, have fun while hanging out together.



# Algebra Spring BIP

## FROM DESIGN TO TSHOOT: ENGINEERING COMPLEX NETWORKS

**Credits:** 3 ECTS



This intensive practical course will guide students through the design, implementation, and troubleshooting of a comprehensive network solution for the fictional company AI-Robotics Ltd. Using network simulator, students will design, and implement a network topology, configure advanced technologies, and place a strong emphasis on troubleshooting process. Students will plan and execute network migrations, test results, and validate success. Additionally, students will use AI tools such as ChatGPT for automating device configurations and troubleshooting recommendations.

# Application and Participation

## ELIGIBILITY FOR PARTICIPATION

Bachelor-level students from participating partner higher education institutions are eligible to participate in the Algebra Spring BIP.

The minimum number of participating students is 15.

## HOW TO APPLY?

Students interested in participation should contact their home International Office. Once they are nominated by their International Office, they will receive further instructions on how to reserve their spot at Algebra Spring BIP.





## Recommended Accommodation in Zagreb

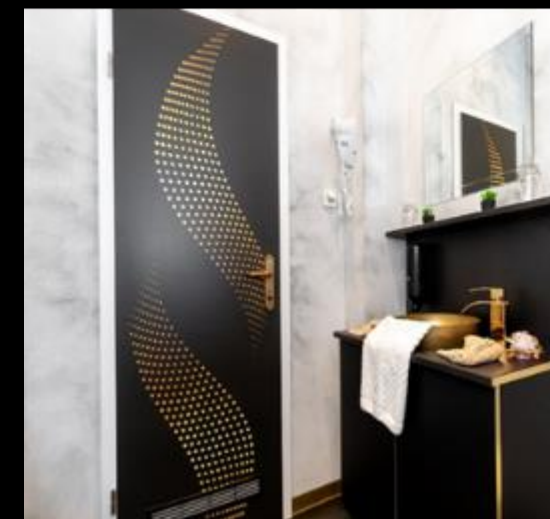
### CHILLOUT HOSTEL

The hostel is located right in the centre, next to all the landmarks, vibrant stores, nightlife, restaurants and historic buildings, each one easily accessible by foot and in the proximity of our campus. The hostel space facilitates student life to the fullest and allows students to have a unique experience.

Interested students, after successfully enrolling to the BIP, will receive a **discount code** from the International Office.

Approx. price per night:  
20-30 EUR (depending on the room option selected).

[🌐https://www.chillout-hostel-zagreb.com/](https://www.chillout-hostel-zagreb.com/)



# Practical Information

## ARRIVING TO ZAGREB

Students arriving by plane can choose between taking a taxi to their accommodation, a shuttle bus or the ZET bus (Zagreb public transport network provider).

You can also use taxi services (Radio Taxi Zagreb; Taxi Cammeo, Eko Taxi) or carsharing services (Uber, Bolt). Depending on the provider this can cost you approximately 20-30 EUR.

## PUBLIC TRANSPORTATION IN ZAGREB

Public transport tram and bus lines in Zagreb work really well and you can be from one side of the city to the other in half an hour!

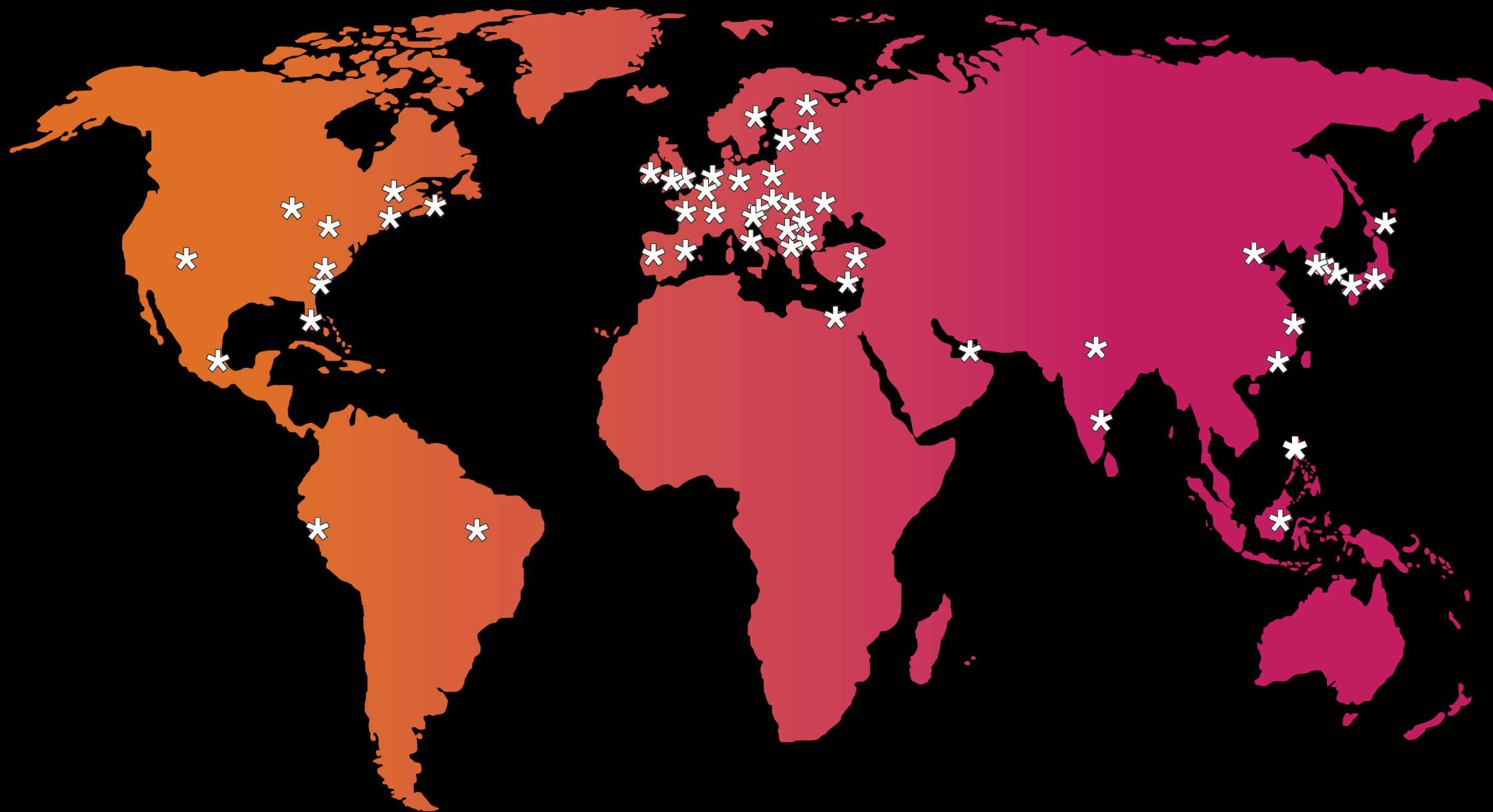
There is a 30-minute ticket which costs 0,53 EUR, which is usually enough when in the city. You can buy the tickets on public transport from the driver, however, they cost a bit more if bought on the tram/bus. If you are buying a ticket from the driver, you must pay cash and have the correct amount!

## ERASMUS GRANT AND LIVING COSTS IN ZAGREB

All participating students can apply for the Erasmus grant to their home International Office.

More information about living costs in Zagreb can be found [here](#).





For further questions on practical issues, please contact the Algebra International Office:

[erasmus@algebra.hr](mailto:erasmus@algebra.hr)

[international-office@algebra.hr](mailto:international-office@algebra.hr)



Erasmus+

Learn more about BIPs at Algebra on our [website](#).