

Open Application for BIP – Hard Sciences: new trends in physics, mathematics and computer science

We are excited to announce the start of the application period for the Erasmus Blended Intensive Program (BIP) on *Hard Sciences: new trends in physics, mathematics and computer science* hosted by our partner university, *Alexandru Ioan Cuza University*, Romania.

A Blended Intensive Programme is a short-term physical mobility with an online part (virtual component).

More detailed information about the BIP-[HERE](#)

The BIP will take place between 14-20 July 2025 in Alexandru Ioan Cuza University, Iasi, Romania. There will be **a mandatory virtual part too**.

Requirements:

To be a student at Shumen University (undergraduate and graduate students).

English Language: Level B1

What do you get?

Erasmus grant: 79 euro per day (example: 5 days physical mobility + travel support about 200 euro)

ECTS credits: 4

Learning outcomes:

By the end of the programme, participants will be able to:

- Develop a solid understanding of numerical simulations in physics, plasma physics, and chaos theory.
- Gain hands-on experience in high-energy particle physics, diatomic molecular spectra, and machine learning.
- Explore mathematical models in life sciences, cryptography, and AI in games.
- Learn about microstructure-function relationships in materials, probability theory, and scientific communication.

Application DEADLINE at Shumen University: 31.05.2025

Don't miss this chance to improve your language skills. Apply now! You can find the necessary documents [HERE](#):

The application is online, you can find the **APPLICATION FORM**: [HERE](#)

If you don't have a certificate, you can ask one of your teachers to evaluate your language proficiency and fill in the following form: LANGUAGE PROFICIENCY FORM FOR ERASMUS+ STUDENTS- [HERE](#)

For more information, you can contact the ERASMUS office at: erasmus@shu.bg.

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