



# Summer Camp 2023 in Germany.

## Learn. Connect. Explore.

Broaden your horizons this summer with a first-of-its-kind camp program at Constructor University! The summer camp will include enriched mathematics and programming modules with lab studies, a survival German language course, physical activities, exciting site visits and excursions, social events with networking opportunities, and lots of fun!

This is an exciting call for high school students around the world to spend 12 days of their summer at one of Germany's most international universities, boost their math and programming skills with up-to-date practices, and experience campus life abroad.

## Apply now!

### Quick facts

- Dates: July 29 - August 9
- Registration dates:
  - May 15 (who needs visa);
  - June 1 (who doesn't need visa)
- Specialization: mathematics, programming, German
- Language of instruction: English
- For high school students, aged 16–19 y.o.

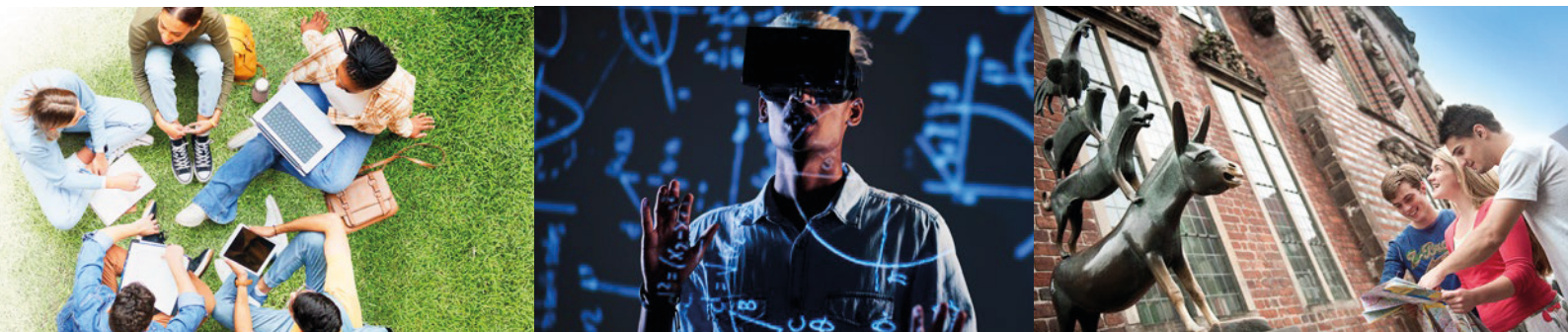


**Jul 29 – Aug 9**  
**Bremen, Germany**



**Apply online via:**

[constructor.university/summer-camp-2023](https://constructor.university/summer-camp-2023)



## Classes

### Mathematics

Study modern branches of mathematics, namely discrete probability (including mathematical expectation and conditional probability), number theory (divisibility and arithmetic of remainders), and analytic geometry (conic sections). These three demonstrate the beauty of mathematics. At the same time, they're a must-know for anyone who's into science or IT. We will discuss many nonstandard and even olympiad-level problems which require a creative approach. By the end of the camp, you will be able to use probability to make decisions, understand the RSA encryption algorithm and explore geometric properties of planets trajectories via algebraic instruments.

### Programming

Study different data structures and various algorithms, including searching and sorting, algorithms on graphs, and dynamic programming. All of the theoretical knowledge obtained you will implement as solutions to the olympiad-level programming problems. You will implement the theoretical knowledge obtained as solutions to the olympiad-level programming problems. By the end of the camp, you will have a refined understanding of how complex algorithms work and be able to use programming every day or even develop your own project.

### German language (optional)

This is your chance to learn German during the summer!

### Learn more online:

[constructor.university/summer-camp-2023](https://constructor.university/summer-camp-2023) 

## Fees

The Summer Camp 2023 fee is € 2650 for the whole 12-days program. This price includes the following:

- Program tuition
- All domestic transportation during the program, excursions
- All classes and extracurricular activities
- Campus accommodation
- Three meals per day
- Additional supervision and support from Study Center staff members throughout the program
- 24/7 supervision

The price does not include:

- Visa fees and airline tickets
- Health insurance
- Pocket money

**Questions? We are happy to help!**

[summer@constructor.university](mailto:summer@constructor.university) 



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