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# Bachelor Degree in Mathematics for Information Technologies for Free

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## Czech Higher Education for International Students

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<meta name="viewport" content="width=device-width"> <style> .container-s1 { display: flex; align-items: center; justify-content: center; background-image: linear-gradient(rgba(0, 0, 0, 0.0), rgba(0, 0, 0, 0.0)), url(https://ujop.cuni.cz/UJOPEN-126-version1-sekce_tech.png); background-position: center; background-size: cover; } .text-block { background-color: rgb(0,0,0); background-color: rgba(0,0,0, 0.7); color: white; font-size: 1.2em; padding: 10px; margin: 2% 40% 2% 2%; } .onlymobileshow { display: none !important; } .flex-container { display: flex; flex-direction: row; } .flex-item-40l { padding: 10px 0px 10px 10px; margin: 10px 10px 10px 0px; flex: 40%; } .flex-item-60r { padding: 10px 10px 10px 20px; margin: 10px 10px 10px 10px; border-left: 1px solid gray; flex: 60%; } .flex-item-60l { padding: 10px 0px 10px 10px; margin: 10px 10px 10px 0px; flex: 55%; } .flex-item-40r { padding: 10px 10px 10px 20px; margin: 10px 10px 10px 10px; border-left: 1px solid gray; flex: 45%; } .flex-item-30 { padding: 10px; margin: 10px 10px 10px 0px; flex: 30%; text-align: center; } .flex-item-70 { background-color: #f2f2f2; padding: 10px 10px 10px 10px; margin: 10px 0px 10px 10px; flex: 70%; } .container-s2 { display: flex; flex-direction: row; flex-wrap: wrap; padding: 2rem 0; align-items: center; justify-content: center; gap: 1em; } .card3 { display: flex; width: 40%; padding: 1rem; background-color: #f2f2f2; box-shadow: 0 10px 10px -15px rgb(0 0 0 / 10%); text-align: left; } .container-s3 { display: flex; align-items: left; justify-content: center; flex-direction: column; flex-wrap: wrap; background-image: linear-gradient(rgba(0, 0, 0, 0.0), rgba(0, 0, 0, 0.0)), url(https://ujop.cuni.cz/UJOPEN-126-version1-bg_09.jpg); background-position: center; background-size: cover; } .contact-box { font-size: 1.2em; padding: 50px 20px; width: 63%; } .container-s1 p { margin: 0px 0px 10px 0px; text-align: left; } .container-s3 p { margin: 0px 0px 10px 0px; text-align: left; } .flex-container p { margin: 0px 0px 10px 0px; text-align: left; } .flex-container li { margin: 0px 0px 0px 0px; text-align: left; } .text-block p { margin: 0px 0px 10px 0px; } .center { display: block; margin-left: auto; margin-right: auto; width: 50%; } .red { font-weight: bold; color: #cc2c32; } .icon-contact { width: 2.5em; margin: 10px; } @media only screen and (max-width: 768px) { /* For mobile phones: */ .container-s1 { padding-top: 20px; } .text-block { font-size: 1em; margin: 20px 20px 20px 20px; } .onlymobileshow { display: block !important; padding-bottom: 1em; } .pic { width: 100%; } .flex-container { flex-direction: column; text-align: left; } .flex-item-40l { padding: 20px 0px 0px 0px; margin: 0px 0px 0px 0px; } .flex-item-60r { border: none; padding: 10px 0px 0px 0px; margin: 0px 0px 0px 0px; } .flex-item-60l { padding: 20px 0px 0px 0px; margin: 0px 0px 0px 0px; } .flex-item-40r { border: none; padding: 10px 0px 0px 0px; margin: 0px 0px 0px 0px; } .flex-item-70 { padding: 10px; margin: 10px 0px 50px 0px; } .flex-item-30 { padding: 10px; } .flex-container p { margin: 0px 0px 20px 0px; } .center { display: block; margin-left: auto; margin-right: auto; width: 100%; } .logox { width: 60%; padding: 50px 20px; } .container-s2 { flex-direction: column; padding-top: 50px; padding-bottom: 1.5em; gap: 0.8em; } .card3 { width: 95%; } .contact-box { width: 100%; background-color: rgb(255,255,255); background-color: rgba(255,255,255, 0.7); font-size: 1em; } } </style>
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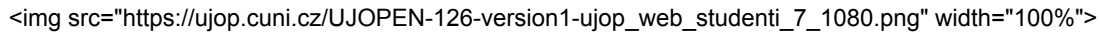
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<p></p>
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<div class="container-s1"> <div class="text-block"> <p><strong>Study at the best Czech universities for free.</strong></p> <p>According to the law, higher education in the Czech Republic (bachelor's and master's degree studies) is free for everyone, including foreigners. The only condition is that <strong>you have to study in Czech</strong>. But don't be afraid! It is difficult, but possible.</p> <p>The chances of ÚJOP Charles University graduates to enter the best universities in popular specialties increase significantly. We have been successfully preparing foreign students for admission to Czech universities for over 60 years.</p> </div> </div>
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## Work in the Czech Republic after University Graduation

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<div class="flex-container"> <div class="flex-item-40l"> <p style="font-size: 1.2em; text-align: left; font-weight: bold; color: #cc2c32;">What are the advantages of a diploma received in the Czech Republic?</p> <p>First, you get <strong>free access to the Czech labor market</strong> – you do not need to go through complicated procedures, which are mandatory for foreigners that do not have a Czech diploma.</p> <p>The second important argument in favor of a Czech diploma is that <strong>your education is easily recognized in any country of the European Union</strong>.</p> </div> <div class="flex-item-60r"> <p style="font-size: 1.2em; text-align: left; font-weight: bold; color: #cc2c32;">What can you do with a degree in Mathematics for Information Technologies?</p> <p>The graduates understand the basics of the main mathematical disciplines (analysis, algebra, geometry, probability) and of certain areas of mathematics that are used in information technology. The graduates develop analytical skills, are able to identify the mathematical essence of problems in the information technology practice and can apply mathematical theory and other knowledge to solve
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these problems. The graduates can program simple projects and mathematical calculations. As part of the compulsory curriculum at the faculty, the graduates get more detailed knowledge of the basics of information security or the basics of computer geometry. Their knowledge and analytical skills are sufficient to get an internship in specialized IT companies or other areas for positions that require analytical thinking. They can also choose to continue their education in the field of mathematics or computer science by entering subsequent master's degree programs of theoretical or applied area of focus.



## Mathematics for Information Technologies at Czech Universities

### Mathematics for Information Technologies at Charles University

The purpose of the "Mathematics for Information Technologies" program is to introduce students to the basics of mathematical disciplines that underlie modern applied and theoretical computer science. The program includes an advanced foundation in programming and other aspects of information technology, as well as an introduction to applications, especially for the field of information security and computational geometry. The classes are conducted at the Faculty of Physics and Mathematics of the Charles University. Find the detailed admission requirements here. (updated 01.12.2022.) The entrance exam: 10 test tasks that determine the ability to study at the Faculty of Physics and Mathematics (logical thinking, precision of language, knowledge of high school mathematics). Each question has 5 possible answers. The time for solving tasks is 75 minutes. You can get 10 points for each task. The passing score is 40 points out of 100. Level of the Czech language proficiency: B2 or C1. [Read more about language proficiency here](https://ujop.cuni.cz/UJOPEN-128.html)

### Preparatory course at UJOP Charles University for

### Mathematics for Information Technologies

#### Description of the preparatory course

The preparatory course at UJOP Charles University includes intensive Czech language learning and training in special subjects, the knowledge of which you will need at the entrance exams and during your further studies. The course is also suitable for those who are starting to learn Czech from scratch. Our language certificate is recognized by more than 80 faculties of state universities, which means that you won't need to take an exam in Czech when you apply to a university. During the course, you will study:

- Intensive Czech language course (including professional terminology)
- Specialised subjects:
  - Mathematics
  - Physics
  - Informatics
  - English

#### More about the course

### The price of the UJOP Charles University course includes

from 650 to 1200 hours of study per year

- a certificate exempting you from the Czech language exam in most faculties
- InfoPoint consultations (email / WhatsApp)
- assistance with student visa application
- tutoring support during your studies
- assistance with recognition of foreign education
- career guidance
- connection

to the student Wi-Fi network

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Microsoft Teams license

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access to the libraries of Charles University

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textbooks for all subjects

</span>

no hidden fees

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## Step-by-step instructions for admission to the preparatory course

Click the banner and find detailed instruction on how to apply for a preparatory course at ÚJOP Charles University.

<figure><a href="https://ujop.cuni.cz/UJOPEN-123.html" target="\_blank"> </a></figure>



## Video instruction

## Student visa to the Czech Republic – step-by-step instructions

<div class="flex-container"> <div class="flex-item-40l"><p><strong>We provide consultation throughout the entire visa process and prepare all the necessary documents from our side.</strong> Detailed instructions for the visa process can be found <a href="https://ujop.cuni.cz/UJOPEN-124.html" target="\_blank"> here</a>.</p></div> <div class="flex-item-60r"><p>For your convenience, we have prepared a <a href="https://ujop.cuni.cz/UJOPEN-124.html" target="\_blank"><strong>step-by-step guide</strong></a> from which you will learn: <ol> <li>how to schedule an appointment at the consulate;</li> <li>what documents you will need to collect;</li> <li>how to fill in the application form;</li> <li>what questions you may be asked at the interview for your visa;</li> <li>how long you should wait to get your visa, etc.</li> </ol> </p></div> </div>

## Consultations on education in the Czech Republic

<section class="container-s3"> <div class="contact-box"><div style="width: 90%"><p style="font-size: 1.2em;">If you have any questions, our <a href="https://ujop.cuni.cz/UJOPEN-101.html" target="\_blank"> InfoPoint ÚJOP UK</a> can assist you.<br/><br/><p style="font-size: 1.2em;"> <a href="mailto:studujop@ujop.cuni.cz" target="\_blank" rel="noopener noreferrer">studujop@ujop.cuni.cz</a></p> <p style="font-size: 1.2em;"> +420 778 754 481</p></div></div> </section>

## Accommodation for foreign students in the Czech Republic

<div class="flex-container"> <div class="flex-item-40l"><p><strong>Students of our courses can live in dormitories of ÚJOP Charles University.</strong></p> <p>Read more about dormitories of ÚJOP <a href="https://ujop.cuni.cz/UJOPEN-112.html" target="\_blank">here</a>.</p></div> <div class="flex-item-60r" style="border: none;"></div> </div>