Information on the German-Russian double master's programme between the University of Passau and National Research University – Higher School of Economics (HSE) Nizhny Novgorod as part of the degree programme M.Sc. Computational Mathematics
Students enrolled in the M.Sc. Computational Mathematics programme have the opportunity to gain two degrees: a Master of Science in Computational Mathematics from the University of Passau and a Master of Science in Mathematics from the National Research University – Higher School of Economics (HSE) in Nizhny Novgorod.

Admission requirements

To be eligible for this double-degree programme, students from Passau must be enrolled in the M.Sc. Computational Mathematics programme¹ (or have gained a favourable result in the selection process) at the University of Passau and have had their application approved by Professor Tobias Kaiser. Approved applicants have to conclude a Learning Agreement, which includes details on the courses to be completed at the host university and their acceptance for credit at the home university.

All courses in this programme are taught in English at both institutions. It is therefore necessary that applicants submit an English language certificate at level B2 of the Common European Framework of Reference for Languages (CEFR), such as:

- TOEFL (567 paper-based, 87 internet-based, ITP 543 'silver' or above),
- IELTS (score 5.5),
- or an equivalent language certificate.
- Evidence that you completed your prior undergraduate or secondary education in English counts as proof of English language proficiency.

Knowledge of German or Russian are not an admission requirement; however, it is recommended that students have German or Russian language skills at level A1 CEFR or higher.

To join the programme, students from HSE Nizhny Novgorod should have a first university degree equivalent to the German bachelor’s degree with a minimum result of 2.7 under the German grading system. This degree must have been gained in a three-year full-time programme of study in mathematics or a related discipline with a mathematics component of at least 110 ECTS credits. Those who have not attained a minimum grade of or equivalent to 2.7 may still apply if they are among the best 70% of graduates of their cohort.

Application and selection process

At the University of Passau, students are selected and admitted to the double-degree programme in a two-step process that takes into account their academic achievements and their motivation for joining the programme.

If you wish to join this programme, please apply online at the International Office² by 28 February. If your application is successful, you will then have to register with HSE Nizhny Novgorod using the application form, which can be found at www.hse.ru/admissions/graduate-apply, and contact the Programme Co-ordinator, Ivan D. Remizov, (iremizov@hse.ru) by no later than 15 May.

Any assessments still outstanding at the time of application may be completed by the end of the summer semester. In that case, your admission is only preliminary until all required documents have been submitted.

Participants can complete their year in Nizhny Novgorod flexibly at the beginning, the middle or the end of the Computational Mathematics programme. However, the double master’s application procedure is carried out only once a year and the move to the other university always takes place at the start of the winter semester.

¹For more information on the M.Sc. Computational Mathematics, see www.uni-passau.de/en/msc-compmaths.
²www.uni-passau.de/en/international/going-abroad/european-partner-university-erasmus/how-to-apply/online-application-and-required-documents/
Your application to the International Office should include:

- the online application form,
- a chronological curriculum vitae
- a cover letter in which you outline your motivation for the programme
- a relevant language certificate
- if applicable: an up-to-date student record/transcript (e.g. HISQIS print-out)

**OR**

- a bachelor's or equivalent degree certificate and transcript/student record as well as proof of successful completion of the selection process (offer letter) for M.Sc. Computational Mathematics

Please send your application by e-mail as a PDF file (all documents combined in one PDF file) to: bewerbung.auslandsstudium@uni-passau.de

In a first step, the programme coordinators of the sending institution select suitable candidates. For the University of Passau, this is Professor Tobias Kaiser; for HSE Nizhny Novgorod, Ivan D. Remizov.

### Application process for students who finish their undergraduate degree during the winter semester

1) **By 15 December** of your final semester: apply for a place on the M.Sc. Computational Mathematics programme of the University of Passau

2) Selection procedure takes place in February

3) Decision on admission to the M.Sc. Computational Mathematics programme for the summer semester

4) **By 28 February**: apply for the double master's programme at the International Office

5) Await decision on admission to the double master's programme

6) **By 15 May**: register with HSE Nizhny Novgorod

### Standard duration and ECTS credits

- 4 semesters
- 120 ECTS credits

### Mutual recognition of credits

Credits gained at the home institution are recognised by the host institution following a consultation with the respective programme co-ordinator. Programme participants can choose whether to write the master’s thesis in Passau or Nizhny Novgorod.

### Degrees

You will gain one degree from each university:

- University of Passau: Master of Science (M.Sc.) in Computational Mathematics
- HSE Nizhny Novgorod: Master of Science (M.Sc.) in Mathematics

### Cost

If you are enrolled in the double master's programme, you are exempt from paying tuition fees at the host institution; however, you will still have to cover your cost of living, health and accident insurance premiums, the costs involved in gaining a visa and residence permit, travel expenses etc.

### Contact and further details

**Programme co-ordinator:**

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