FAQ – International Master Study Programme Mechatronics

1. What is the “International Master Study Programme Mechatronics” and who is involved?

The “International Master Study Programme Mechatronics” is a Double Degree Master study programme, which is offered in cooperation from the Saint-Petersburg State Polytechnic University (SPbSPU) and the Leibniz Universität Hannover (LUH). During the programme, students study for one year in Russia and one year in Germany. The teaching language for the entire course is English. Graduates from the programme receive a Master of Science – International Mechatronics from the Leibniz Universität Hannover and a Master in Information Science and Computer Engineering from the Saint-Petersburg State Polytechnic University. This study programme is managed and promoted under a different name at both Universities: Whereas in Hannover the study programme is called “International Mechatronics”, in St. Petersburg the same study programme can be found under the name of “Information Science and Computer Engineering.

2. Which languages do I need to know?

The teaching language for the entire course is English. All the lectures will be given in English, as well as all the exams held in English. During the application procedure the language level of English will be reviewed. It is recommended to add a proof of English language skills to the application documents. Before and during the study program preparatory language courses in German and Russian are offered. Further information on these courses are available at the Language center or at the International Office at the Leibniz Universität Hannover: Links

3. What are the admission requirements for the study program “International Mechatronics”?

The admission requirements for the International Mechatronics study program are similar to those of the regular Master study program Mechatronics at the Leibniz Universität Hannover.

According to the admission regulations, the admission requirements are:
A Bachelor degree in Mechatronics (or in a related field of study) with a final grade above 3.5. Should the degree certificate not be available yet, the average grade must be above 3.0.

In addition, 20 points according to the European Credit Transfer System (ECTS) in the following fields of study are required:

- Electrical engineering and electrical drive engineering
- Mechatronics
- Mathematics

Further 10 points according to the ECTS are required in the fields of study of:

- Measurement and control technology
- Information technology

Should the final degree grade be lower than 3.0, an additional proof of either a completed internship of 8 weeks in a relevant area or a bachelor thesis with a minimum grade of 2.0 is required.

Students may apply for the International Master at the Leibniz Universität Hannover or at the Saint-Petersburg State Polytechnic University, as long as they hold an European Bachelor degree. Students with a Russian Bachelor degree may apply only at the Saint-Petersburg State Polytechnic University. Students with a Bachelor degree from anywhere else than Europe or Russia may apply at either University.

4. **What kind of tuition fees are charged?**

An application at the Leibniz Universität Hannover requires payment of the regular semester fees of the University for each of the four semesters. The current amount of semester fees can be checked here:

http://www.uni-hannover.de/de/studium/immatrikulation/rueckmeldung/index.php

Should the application be placed at the Saint-Petersburg State Polytechnic University, the tuition fees which apply there need to be paid, as well as the semester fees at the Leibniz University Hannover during the stay at the German University.

5. **What are the costs of living?**

**Hanover:**

In Hanover, the average rate for the rent of a single room is more than 250 Euros per month. For food and drink, average costs are more than 150 Euros per month. The University offers student accommodation. However, the demand is very high for these facilities, therefore an application as early as possible is highly recommended.

http://www.studentenwerk-hannover.de/en-dormitories.html

The homepage of the International Office offers an overview of living costs in Hanover:

http://www.international.uni-hannover.de/lebenshaltungskosten.html?

The rates quoted are rough estimates, which can of course vary, depending on individual requirements. In Hanover, there are no costs of public transportation, since this is included in the semester fees. The public transportation in Hanover is excellent, therefore there is little or no need for a car.
Please note, that it may be necessary to provide a security deposit of 8,000 Euros in order to obtain a Visa, see FAQ regarding Visa.

St. Petersburg:

The Saint-Petersburg State Polytechnic University offers accommodation to international students at the common rate. The costs of living in Russia are more or less the same as the costs of living in Germany.

The following reports give an insight into living in St. Petersburg:

http://www.en.spbstu.ru/students_life/
http://eng.spbstu.ru/students-life/students-life/
http://www.international.uni-hannover.de/739.html#c2719

6. What kind of degree does studying within the International Master Study Programme Mechatronics result in?

The Leibniz Universität Hannover awards a Master of Science – International Mechatronics degree. The Saint-Petersburg State Polytechnic University awards a Master degree in Information Science and Computer Engineering for the same study program. The study programme is managed and promoted under a different name at both Universities: Whereas in Hannover the study programme is called “International Mechatronics”, in St. Petersburg the same study programme can be found under the name of “Information Science and Computer Engineering.”

7. When is the application deadline for the “International Master Study Programme Mechatronics”?

The application deadline is the 31st May every year. The study programme can only be commenced in a winter semester. The study programme starts on the 1st September in St. Petersburg.

8. How to apply:

An application for the “International Master Study Programme Mechatronics” is possible at both the Leibniz Universität Hannover and the Saint-Petersburg State Polytechnic University. However, students who hold a Russian Bachelor degree may apply only at the Saint-Petersburg State Polytechnic University. Students with a Bachelor degree from anywhere else except Russia may apply at either University.

At the Leibniz Universität Hannover an online application through the online portal of the University is possible.

https://qis.verwaltung.uni-hannover.de/qisserver/servlet/de.his.servlet.RequestDispatcherServlet?state=wimma&stg=b&imma=einl

The following documents are necessary for an application at the Leibniz Universität Hannover:

- Curriculum Vitae
- Copy of the Bachelor degree certificate / diploma, or, should this currently not be available, a list of grades which shows the achieved credit points
- Letter of motivation
- Certified transcript of all previous degree certificates, i.e. Bachelor and A-Level, translated into English and German
- Completed application form
- Copy of personal identification, i.e. passport

The following documents are necessary for an application at the Saint-Petersburg State Polytechnic University:
- Copy of the Bachelor degree certificate, diploma or similar. Further, list of study dates
- Curriculum Vitae
- Letter of motivation
- Completed application form

The following link explains the application procedure step by step:
http://www.en.spbstu.ru/admission_procedure

After your application has been received, it will be evaluated with regards to the professional competence and the fulfillment of the requirements of both Universities. Following the successful evaluation, you will be invited to an application interview at the Leibniz Universität Hannover, during which you will be asked to demonstrate your language and professional skills. Please note, that for your journey to Germany for the application interview a visa may be necessary. Should your application be successful on the whole, you will be invited to an application interview at the Leibniz Universität Hannover, during which you will be asked to demonstrate your language and professional skills. Please note, that for your journey to Germany for the application interview a visa may be necessary. Should your application be successful on the whole, you will be admitted to the Double Degree Master study programme. The first and second semester takes place in St. Petersburg. The third and fourth semester takes place in Hannover.

9. What happens during the admission procedure / interview?

During the admission interview, the language skills as well as the relevant professional skills of the applicant are reviewed and checked against the required standard. The interview takes place in Hannover.

10. How do I obtain a visa and which one do I need?

You have applied for the International Master Study Programme Mechatronics in Hannover. Should you be invited to Hannover for an application interview, a visa for travelling to Germany is necessary. A tourist visa can also be used. Following the application interview: Should you pass the interview successfully, the study programme will commence on the 1st September at the Saint-Petersburg State Polytechnic University (1. – 2. Semester).

You now require a student visa in order to travel to Russia. At first, the visa will be applicable for 90 days. In St. Petersburg, the visa will be extended for the duration of the study programme.

Change to the Leibniz Universität Hannover: Should you have successfully passed all the required courses during the 1. and 2. semester, you will come to Hannover for the 3. and 4. semester. For this,
you require a student visa as of the 1st September, which will also be at first applicable for 90 days and extended for the duration of the studies in Hanover.

Following the study courses in Hannover: You will travel to the Saint-Petersburg State Polytechnic University for one week to present your master thesis. This will take place from the 20th September to the 30th September.

**Visa for Russia:**

For the journey to Russia a student visa is necessary, if you are not of Russian citizenship. You have to apply for this visa in the country where you are currently living, either at the Russian consulate or in the visa centre. Please find further information here:

http://www.vhs-germany.com/

http://russische-botschaft.de/de/consulate/visafragen/

The Saint-Petersburg State Polytechnic University will send you an invitation, which is necessary for the visa to be issued, and will be happy to answer any questions you should have.

http://www.en.spbstu.ru/admission_procedure/

**Visa for Germany:**

Please check in advance if you require a visa for Germany. Detailed information regarding this can be found on the internet site of the foreign office:

In German:


In Englisch:

http://www.auswaertiges-amt.de/EN/EinreiseUndAufenthalt/Visabestimmungen_node.html#doc480844bodyText2

You will have to apply in advance for a student visa for Germany (for example, at the German embassy or at the consulate in your home country). The visa can also be applied for at the German general consulate in Saint Petersburg:

http://www.germania.diplo.de/Vertretung/russland/de/06-stpe/0-gk.html

Generally, you will need a letter of registration for the Master study programme and will have to prove that you can finance yourself (i.e. through the award of a scholarship or the deposit of 8.000 Euros on a blocked account).

Further information can be found here:

http://www.germania.diplo.de/Vertretung/russland/de/06-stpe/visa/dokumente/seite.html

Please note, that the visa procedure in Russia takes between 6-8 weeks! A minimum of 30 days are necessary for the preparation of the visa invitation in Russia. A further 2-4 weeks need to taken into calculation for the application for a visa.

Please note further, that you need to apply for the correct visa type (visa for study purposes)! A wrong type of visa cannot be extended in the country.
11. How would the time table look like during the study program?

The time table would look as follows:

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Software Development Technology</td>
<td>History and Methodology of Informatics and Computer Science</td>
<td>Production of Electronic Systems</td>
<td>Master’s Thesis</td>
</tr>
<tr>
<td>Chernovik</td>
<td>Malakhina</td>
<td>Oremsmeyer</td>
<td>30 CP</td>
</tr>
<tr>
<td>Neuroinformatics</td>
<td>Computing Systems</td>
<td>Machine Dynamics</td>
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<tr>
<td>and Neurotechnologies</td>
<td>Petrenko</td>
<td>Wollstock</td>
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<td>Shkolnyy</td>
<td>4 CP</td>
<td>4 CP</td>
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<tr>
<td>Modern Problems of Informatics and Computer Science</td>
<td>Cognitive and Multisensor Systems</td>
<td>Micro and Nano Systems</td>
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<tr>
<td>Rodionova</td>
<td>or Intelligent Control Systems</td>
<td>Ritzinger</td>
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<td>4 CP</td>
<td>Kupradov</td>
<td>4 CP</td>
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<td>Methods of Optimization</td>
<td>Mathematical Modelling and Simulation</td>
<td>Software Tools, FEM</td>
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<tr>
<td>Rodionova</td>
<td>Senchnik</td>
<td>Behrens</td>
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<tr>
<td>2 CP</td>
<td>5 CP</td>
<td>4 CP</td>
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<tr>
<td>Intelligent Systems</td>
<td>Distributed Databases</td>
<td>Electrical Drives</td>
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<td>Yemenyi</td>
<td>Malakhina</td>
<td>Poniek</td>
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<tr>
<td>3 CP</td>
<td>7 CP</td>
<td>4 CP</td>
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<tr>
<td>Knowledge Management</td>
<td>or Intelligent Computing</td>
<td>Scientific and research work</td>
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<tr>
<td>and Knowledge Engineering</td>
<td>Kucherov</td>
<td>4 CP</td>
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<td>Garliko</td>
<td>6,5 CP</td>
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<td>Scientific and research work</td>
<td>Scientific and research work</td>
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<td>6,5 CP</td>
<td>2 CP</td>
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The scientific and research work during the 3rd semester is the mechatronic senior class laboratory and the project thesis is a course assignment.

The master thesis should be written in the 4th semester.