

## Application and Admission

In order to be eligible for this study programme, a bachelor degree in Mechatronics, Mechanical Engineering, Electrical Engineering, Information Technology or a related field of study is required.

Applicants may apply at both Universities as long as they hold a European Bachelor degree or a degree from anywhere else except Russia. Applicants with a Russian Bachelor degree may apply only at St.Petersburg. Entrance examinations should be taken at the university to which the student has applied.

### Application deadline:

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

### Further information on following websites

[www.spbstu-eng.ru/admission\\_procedure/](http://www.spbstu-eng.ru/admission_procedure/)  
<http://eng.spbstu.ru/academic-programs/international-master-degree-programs-in-english/intelligent-systems/>  
<http://www.maschinenbau.uni-hannover.de/497.html>

### Language:

The teaching language for the entire course is English. Before and during the study program preparatory language courses in German and Russian are offered. Further information on these courses is available at the Language center or at the International Office in Hannover.

<http://www.fsz.uni-hannover.de/deutsch.html>  
<http://www.fsz.uni-hannover.de/russisch.html>  
<http://www.international.uni-hannover.de/>

APPLICATION  
DEADLINE:  
31st May

## About St.Petersburg

St.Petersburg is a marvellous and wonderful City to visit. It is famous for its architecture and impressive tourist attractions, its unique beauty and rich culture. A large number of important scientific, cultural and historical Russian luminaries originate from here, for example A.S. Pushkin, F.M. Dostoyevsky, D.I. Mendeleev, D.S. Likhachev, among others.

The second largest City in the Russian Federation, St.Petersburg is often referred to as the Cultural Capital of Russia, Child of Peter the Great or even Northern Venice, due to its many waterways and bridges. In fact, 68 rivers and canals flow through the historic City Centre in all directions, dissecting it into 42 islands, with 580 bridges between them. Many of these bridges are masterpieces of engineering and architecture. Among Paris, Rome and Venice, the historical City Centre of St.Petersburg has been declared a World Heritage site by the UNESCO.

There are not many other Cities in the world which can offer a similar amount of museums, opera houses, theatres, palaces, parks, monuments and other places of interest. The majestic Neva River flows through St.Petersburg and is a wonderful sight, especially during the White Nights. The literary and musical heritage of St.Petersburg is no less impressive. The large amount of writers, poets and composers passionately working away at the banks of the Neva River bear proof to this to the current day and are an inspiring sight for any visitor.

## About Hannover

Hannover is one of the greenest cities in Germany which is appreciated for its central location, short travel distances, cultural diversity and affordable prices. As the capital of the Federal State of Lower-Saxony with a population of over 500.000 people, Hannover hosts world-famous international trade fairs like CeBIT and Hannover Industry Fair. In addition, international companies such as Continental, Volkswagen, Sennheiser, TUI, among others, are based in the region of Hannover.

Currently, 25.000 students are studying natural sciences and engineering, humanities and social sciences as well as law and economics at Leibniz Universität Hannover. The University with its fields of science and technology has an excellent reputation. It is part of the TU9, the top 9 Institutes of Technology in Germany.

The Faculty of Mechanical Engineering is one of the largest faculties and the best funded. It excels in research and development, for example, conducting innovative research projects in the fields of mechatronics measurement systems, energy technology, production process optimization, among others.



Welfenschloss Leibniz Universität Hannover  
drawing by Laura Lenk

## Contact

**Mechatronics, Leibniz Universität Hannover**  
mailbox@mec.uni-hannover.de

### Website

[www.mechatronik.uni-hannover.de](http://www.mechatronik.uni-hannover.de)  
<http://www.maschinenbau.uni-hannover.de/497.html>

### Admissions Office

Service Center  
studium@uni-hannover.de  
<http://www.uni-hannover.de/de/studium/immatriculation/>

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Laura Lenk / Jördis Samland

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## International Mechatronics Double Master's Degree Programme

International Mechatronics is a Double Degree Master study programme, which is offered in English language by Leibniz Universität Hannover, Germany in cooperation with Peter the Great St. Petersburg Polytechnic University, Russia. In St.Petersburg this programme is titled Intelligent systems.

The 1st and 2nd semesters of this study programme take place in St.Petersburg and last from 1.September till 30.June. During this time students have to attend lectures, seminars, pass examinations at Peter the Great St.Petersburg Polytechnic University and achieve 60 credit points in approved courses.

The 3rd and 4th semesters take place in Hannover and last from 1.October till 30.September of the following year. During the third semester students have to achieve further 30 credit points and write their master thesis in the fourth semester at Leibniz Universität Hannover.

The final examination takes place at Peter the Great St.Petersburg Polytechnic University.

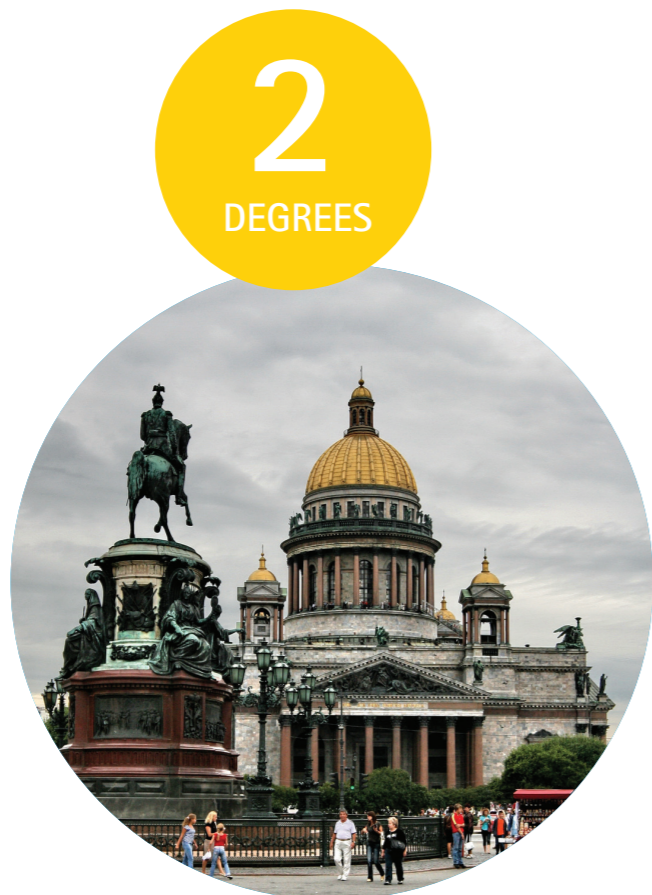
## Two degrees

Successful graduates from the study programme will be awarded two degrees:

**Master of Science in Mechatronics (MSc)**  
from Leibniz Universität Hannover

and

**Master in Information Science and Computer Engineering (MSc)**  
from Peter the Great St. Petersburg Polytechnic University, Russia



## Study Programme



### ST.PETERSBURG

Software Development  
Technology  
4 CP

Neuroinformatics and  
Neurotechnologies  
4 CP

Modern Problems of Informatics  
and Computer Science  
4 CP

Methods of Optimization  
2 CP

Intelligent Systems  
3 CP

Knowledge Management and  
Knowledge Engineering  
6.5 CP

Scientific Research Work  
6.5 CP

30 CP



### ST.PETERSBURG

History and Methodology of  
Informatics and Computer Science  
2,5 CP

Computing Systems  
5 CP

Cognitive and Multiagent Systems  
or Intelligent Control Systems  
8,5 CP

Mathematical Modelling and  
Simulation  
5 CP

Distributed Data Bases  
7 CP

or  
Intelligent Computing  
7 CP

Scientific and research work  
2 CP

30 CP



### HANNOVER

Production of  
Electronic Systems  
4 CP

Machine Dynamics  
4 CP

Micro and Nano Systems  
4 CP

Software Tools  
4 CP

Electrical Drives  
4 CP

Scientific Research Work  
4 CP

Project Thesis based on Scientific  
Research Work  
6 CP

30 CP



### HANNOVER

MASTERSTHESIS

30 CP

