

Study in Sweden



Master Programme in Electronics/Automation 120 cr

The Master Programme in Electronics/Automation is a two-year programme and requires an undergraduate degree in Electronics, Physics, Electrical Engineering or equivalent for admission.

The aim of the programme is to give the student advanced knowledge of electronics specialized in the field of Automation.

The Master studies are based on a previously achieved B.Sc. degree in Electronics, Physics, Electrical Engineering or equivalent.

An advanced theoretical programme is offered, with assignments and projects in a well-equipped laboratory. The high-standard laboratory is the result of research activities at the university and cooperation with industry.

The university has extensive research activities related to the subjects of the Master Programme.

The programme comprises the following courses:

- Applied Mechanics
- Stochastic Processes
- RF Measurement Technology
- Wireless Sensor Networks
- Industrial Statistics
- Sensors and Measurement Technology
- Statistical Signal Processing
- Multivariable and Nonlinear Control Systems
- Advanced Digital Control Systems
- Computerized Image Processing and Machine Vision
- Robotics
- Advanced Projects
- Master's Thesis

START

The programme starts in the autumn of 2014.

AFTER THE STUDIES

The programme aims to give the student qualifications for advanced engineering in relevant industry as well as qualifications for Ph.D. studies.

DEGREE

Master of Science (120 credits)

PREREQUISITES

Bachelor of Science (B.Sc.) or Bachelor of engineering (B.Eng.) degrees in Electronics, Physics, Electrical Engineering or equivalent. Relevant courses in Electronics must be included in the exam (individual evaluation). At least 30 credits (ECTS) in Mathematics and one passed course in Signal Processing.

TUITION FEES

There are no tuition fees for EU/EEA citizens.

As an EU citizen, you are entitled to study in Sweden without a residence permit. If you plan to stay longer than three months, you must register your right of residence with the Migration Board. When entering Sweden, you need a valid passport or ID card showing your citizenship. You have the right to work during the time that you are studying.

LIVING EXPENSES

In order to study in Sweden, the Swedish Migration Board recommends an annual amount of 73000 SEK, approximately equivalent to 8300€ or £6500 (2013).

For further information, please visit

www.migrationsverket.se

www.studyinsweden.se

GÄVLE

Gävle has 100,000 inhabitants and is situated on the coast of the Baltic sea, 1 hour north of Stockholm airport.

APPLICATION

You apply to the programme online at www.universityadmissions.se.

The application deadline is January 15, 2014; late applications can be made until April 30, 2014.

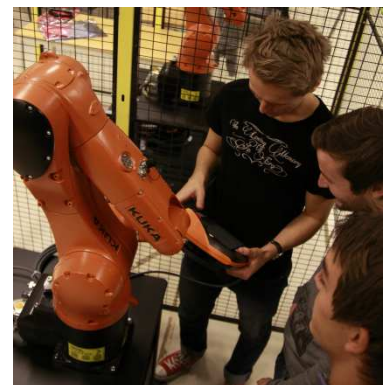
Application code autumn 2014: HIG-17079

MORE INFORMATION

www.hig.se or contact the student counsellor, +46 26 64 89 46 or studievagledningen@hig.se

Programme director: Prof. Daniel Rönnow dalrow@hig.se

Programme-specific information, please visit www.hig.se/electronics/master



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