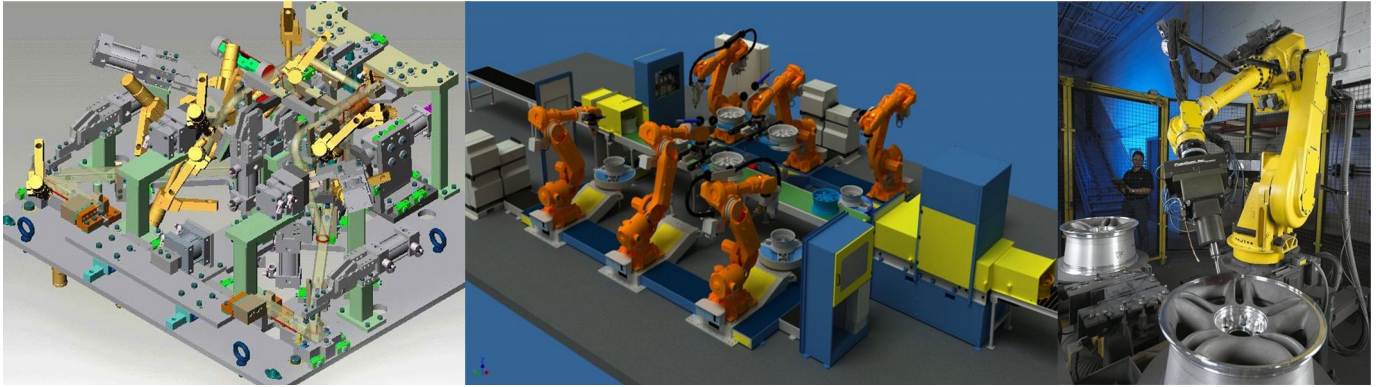


Study Automation in Sweden



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 modern, high-standard laboratory is the result of a cooperation programme between the university and related companies.

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

The programme is built of following courses:

- RF Measurement Technology
- Applied Mechanics II
- Wireless Sensor Networks
- Industrial Statistics
- Sensors and Measurement Technology
- Ethics in Technical Development
- Statistical Signal Processing
- Multivariable and Non-Linear 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 2020.

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.

ENGLISH PROFICIENCY

English 6.

IELTS: an overall mark of 6.5 and no section below 5.5

TOEFL (paper based): 575 (with minimum grade 4.5 on the written test part),

TOEFL (Internet based): 20 (scale 0-30) in written test, total score of 90.

Cambridge ESOL: Cambridge English: Advanced (Certificate in Advanced English).

Michigan English Language Assessment Battery (MELAB): 90

University of Michigan, Examination for the Certificate of Proficiency in English (ECPE) for English 6.

Pearson PTE Academic: 62 (writing 61)

TUITION FEES

From autumn 2011 the Swedish government has decided to charge tuition fees for students outside the EES area. The fees are fixed for master programmes at University of Gävle. For 2020 intake, the total tuition fee for this programme is 232000 SEK, approximately equivalent to \$24000 (October 2019).

A few scholarships may be available.

LIVING EXPENSES

In order to get visa for studies in Sweden, the Swedish Migration Board requires documentation of financial resources to an annual amount of 83700 SEK, *i.e.*, 167400 SEK for the full programme, approximately equivalent to \$17300 (October 2019).

For further information, please visit

www.migrationsverket.se

APPLICATION

You apply to the programme online at

www.universityadmissions.se

The application period starts at October 16, 2019, and deadline is January 15, 2020.

Applications received after this date can only be considered if there are vacancies.

Application code autumn 2020: HIG-17079

MORE INFORMATION

www.hig.se or contact

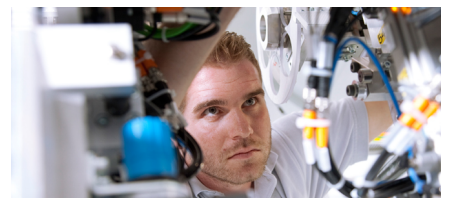
the student counsellor: phone +46 26 648946 or studievagledning@hig.se

Programme director:

Professor Edvard Nordlander, enr@hig.se

Programme-specific information, please visit

www.hig.se/TAEAA_en



UNIVERSITY
OF GÄVLE