



## Master Programme in Electronics/Telecommunications 120 cr

The Master Programme in Electronics/Telecommunications is a two-year programme and requires an undergraduate degree in Electronics, 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 Telecommunications.

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 a cooperation programme between the University and telecommunication and instrumentation companies.

The university has extensive research activities related to the Masters's programme

The programme is built up of courses in:

- Electromagnetic Fields and Waves
- Stochastic Processes
- RF Measurement Technology
- Cellular Radio Systems
- Microwave Engineering
- Antenna engineering
- Statistical Signal Processing
- Solid-State Electronics
- Modulation and Coding
- Radio Systems
- Advanced Projects
- Master's Thesis

### START

The programme starts in the autumn of 2012.

### 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

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 to an annual amount of 90000 SEK, approximately equivalent to \$13000 (November 2011). 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 73000 SEK, i.e., 146 000 SEK for the full programme, approximately equivalent to \$21000 (November 2011).

For further information, please visit [www.migrationsverket.se](http://www.migrationsverket.se)

### APPLICATION

You apply to the programme online at [www.universityadmissions.se](http://www.universityadmissions.se).

The application period starts at December 1 and deadline is January 15, 2012.

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

Application code autumn 2012: HIG-17070

### MORE INFORMATION

[www.hig.se](http://www.hig.se) or contact the student counsellor, +46 26 64 89 46 or [studievagledningen@hig.se](mailto:studievagledningen@hig.se)

Programme director

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Programme-specific information, please visit [www.hig.se/electronics/master](http://www.hig.se/electronics/master)

