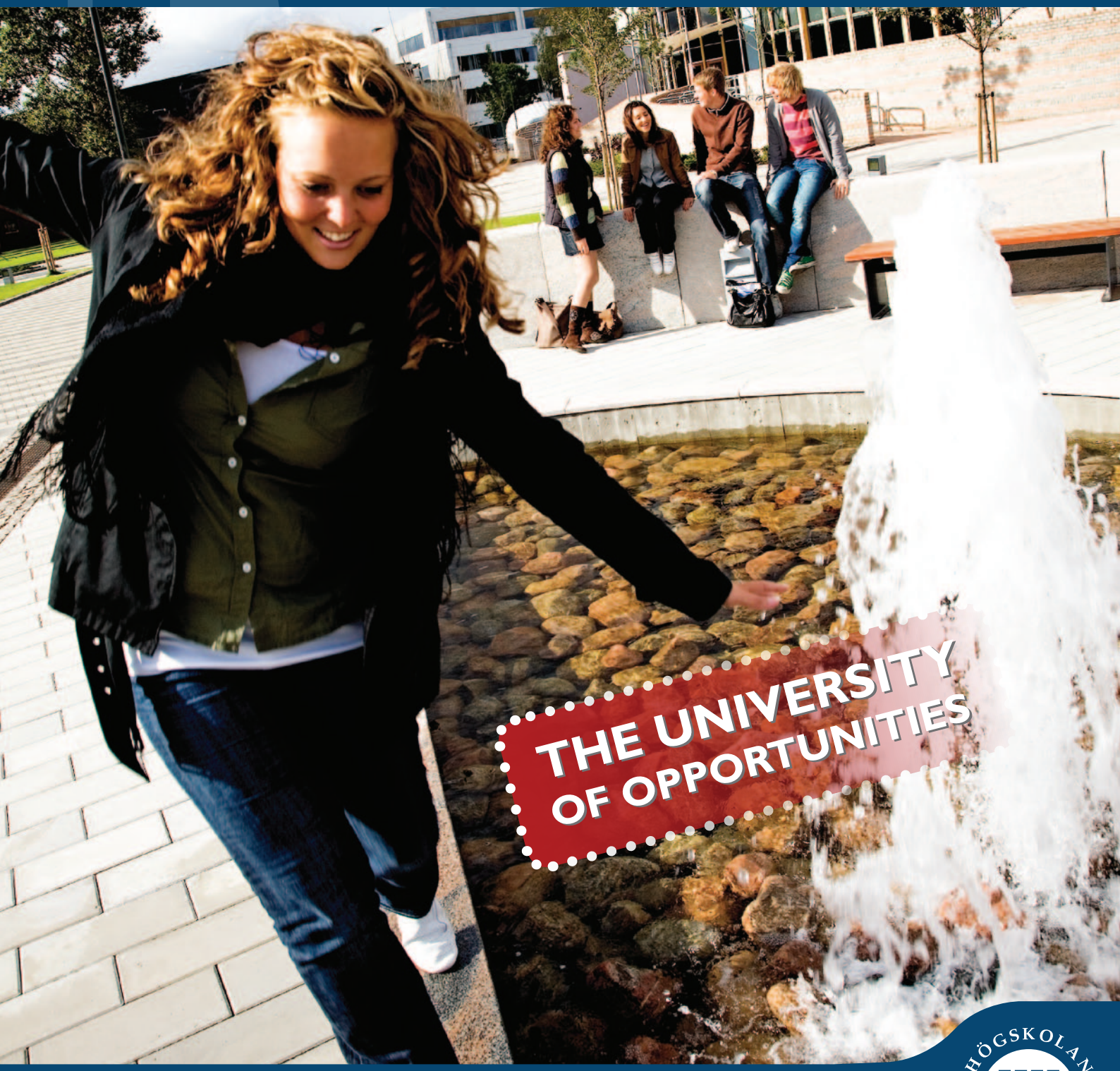
STUDY ABROAD

HALMSTAD UNIVERSITY

SWEDEN



HALMSTAD UNIVERSITY

For the development of organisations, products and quality of life.

HÖGSKOLAN HALMSTAD

LIST OF CONTENTS

Study options for Exchange students at Halmstad University

Master's programme

It is possible for exchange students, that fulfil the entry requirements, to study a one or two year Master's programme at Halmstad University. Upon completion the students will be awarded a Master's degree.

Bachelor's programme

It is possible for exchange students who fulfil the entry requirements, to study a Bachelor's programme at Halmstad University which includes a thesis. Upon completion the students will be awarded a Bachelor's Degree. This is possible within Computer science and engineering, Electrical engineering and International relations/Economics.

Bachelor's programme- Final Year Completion

It is possible for exchange students who fulfil the entry requirements, to study their final year/semester of their Bachelor's programme at Halmstad University which includes a thesis. Upon completion the students will be awarded a Bachelor's Degree. This is possible within Information science and International relations.

Non-Degree programmes

It is possible for exchange students who fulfil the entry requirements to study a programme at Halmstad University. Upon completion the students will receive a certificate.

Study Abroad Semester

It is possible for exchange students that fulfil the entry requirements to study one semester that comprises of 30 credits within one subject.

Single Subject Courses

Exchange students can choose from a variety of courses and put together their own study programme of 30 credits with the permission from their home university and Halmstad University

Distance Education

Halmstad University offers courses that are fully internet based with no physical meetings. This enables students to study at Halmstad University alongside their regular courses at their home university.

The information in this catalogue is subject to change.

WELCOME!

Halmstad University is one of the most popular universities in Sweden. The University is not only known for its progressive education and small classes, it also performs outstanding research that has been internationally acknowledged. Furthermore, the University is playing an increasingly important role for local companies and the region's development.

The University is fairly young but has already acquired a tradition of interdisciplinary research, innovation and entrepreneurship. The broad selection of courses attracts people of all interests, together they all contribute to our special atmosphere and sense of fellowship.

Naturally, the exchange students are an important part of this multicultural campus and we will do everything to make sure you will feel right at home.

I extend a varm welcome to all of you international students awaiting your studies here in one of Sweden's most beautiful towns and dynamic universities!

Carina Ihlström Eriksson
Acting Vice Chancellor
Halmstad University

ONE PROFILE – THREE AREAS OF STRENGTH
At Halmstad University we have three areas of strength within education and research. This means that we profile ourselves in the three areas where we have both a broad base and what stands out and makes us skilled and successful.

HALMSTAD UNIVERSITY

Halmstad University became an independent institution of higher education in 1983.
But the first courses were launched in the early 1970s.

THE UNIVERSITY OF OPPORTUNITIES

Halmstad University is a popular institution of higher education. We are known for a wide range of courses and our special atmosphere. The thresholds are not high here. There is diversity and a wide range of choices, at the same time with a tangible proximity. Proximity between students and teachers, between subjects and between the University and other players in society.

Our research is outstanding and has achieved international renown in many areas. Collaboration between people, between organisations and cultures is both important and enriching, for both the individual and for society. Collaboration is absolutely necessary for research and development to make progress. It is equally important that the knowledge that is developed here, at Halmstad University and at other institutions of higher education, can be used by society.

Ever since the beginning, collaboration has been one of the characteristics of Halmstad University. Our interaction with companies, associations, municipalities, county councils, schools and other players in the field of education and research is extensive. Every day there is cooperation in various forms: projects, mentoring, guest speakers, work placements, degree projects and essays.

This is why we say that Halmstad University is the university of opportunities, where you have unique and inspirational possibilities to realise your dreams and ideas. On your own, or together with others.

CAMPUS

Lecture theatres, library, project rooms, practical facilities and laboratories, cafes, gym, student union and pub. At Halmstad University everything can be found on one campus. There are natural meeting places for the University's students, staff and visitors.

The campus area lies alongside the southern entry route into Halmstad. From Campus it is 2 km to the centre of town, and about the same distance to the sea and the miles long beaches.

In the newly-built sports hall, all activities relating to health and sport are accommodated in spatial and modern facilities. These facilities include a sports hall, gym and well-equipped laboratories for teaching and research in biomechanics, physiology and psychology.

In the Student Centre you find information about courses offered and studying in higher education in general. **The Student Centre** offers career guidance and counselling as well as guidance in areas such as effective study techniques and the art of applying for a job.

University Library

The library is an important shared knowledge resource for education and research within the University. It is a part of the campus environment that encourages study, meetings and creativity among students, teachers and researchers. The library is a public research library, open to anyone who needs to use its collections and its competence. The University Library contributes, through its collections and service, to ensuring that Halmstad University is a specialised seat of learning with internationally acknowledged research, research education and education that is actively involved in the development of the individual and society.

Students' Accommodation and Pick-up Service

Halmstad Student Union administrates furnished accommodation for International and Exchange students. The Student Union offers two main alternatives: Halls of residence and Shared private flats. All accommodations have common areas like, living room, laundry room, showers and so forth.

The Student Union also organise so called "pick-up days" at the beginning of each semester for all Exchange and International students. During these days the Student Union provide pick-up service at the train/bus stations as well as Halmstad airport. They drive you to your accommodation; help you with the registration at the University and so on.

The reservation for accommodation and pick-up service has to be done in advance.

Further information
www.karen.hh.se, int@karen.hh.se


wärdshus

HALMSTAD
THE TOWN WITH THREE HEARTS

The town, the beaches, the friendly atmosphere – in Halmstad it is easy to feel at home. By bicycle you can move around quickly and easily from the centre of town to the surrounding woodlands, the sea and the University.

Three Hearts

The town of Halmstad's coat of arms has three crowned hearts. It is a likeable town where you soon will feel at home. It is easy to be seduced by the charm of the town, the pleasant atmosphere and the expanses of the blue sea.

Down Town

Besides plentiful shopping opportunities, the downtown offers a great variety of restaurants, night clubs, pubs and cafés. The town's art galleries, museums and cultural organisations all contribute to the many ongoing activities. If you are interested in music, you have numerous occasions to enjoy a remarkable selection of concerts all year round. In 2006 a new town library opened in Halmstad. This eye-catching, centrally-placed building, reaches over the waters of the river Nissan. The library has an extensive collection of literature, a café, a newspaper reading room, art exhibitions and offers entertainment in the form of theatre and music.

Every year in August, there is a four day long street festival. The streets of Halmstad turn into one great show with drama ensembles from all over the world. Other regular cultural events include Halmstad's Arts Festival, the Film Week and the Boating Festival. However, even if Halmstad is a vivid town with an abundance of entertainment and cultural life, you are never far from the sea or woodlands if you are looking for some peace and quiet.

The Sea and the Beaches

Perhaps it is the salty aroma, the feeling of hot sand against the skin, or the sight of shimmering expanses of the sea that are some of the capturing features of Halmstad. You are always close to miles-long beautiful beaches, cliffs and charming harbours. Halmstad is a town that is distinguished by its location on the west coast, and during the summertime the beaches, the golf courses, and the city are buzzing with activities as tourists and inhabitants are enjoying the sunny summer days and the long warm evenings.

A Sporting Town

Anyone interested in sports can really have their share of all kinds of sport activities. If you want to work out, you either join the University Gym on Campus, or one of the many gyms or sports clubs in the city that offer student discounts. Both in Halmstad and the surrounding areas there are plenty of forests and green parts with jogging tracks, hiking and biking trails, as well as canoeing possibilities.

SWEDEN

For a sparsely populated country in the far north of Europe, Sweden has done remarkably well in establishing and maintaining an outstanding reputation abroad, based on many and varied commercial, technological, cultural and political achievements. Swedish consumer goods are brand names well-known all over the world. Swedish vehicles move people and freight from Alaska to Adelaide. Abba and Pippi Longstocking took the world by storm and continue to fascinate people on all continents. The Nobel prize is an institution that needs no introduction.

Sweden is a Scandinavian kingdom of nine million inhabitants, of which almost two million live in and around the capital, Stockholm. Urban Sweden is modern, stylish and safe. Rural Sweden breathes tranquility, and has a science nature with some of the largest uninhabited expanses left in western Europe.

Sweden is a country where winter is winter and summer is summer. Although the northern tip of the country lies above the Arctic circle, its climate is tempered by the Gulf Stream.

As a leading country in environmental conservation, Sweden was the first country in Europe to protect the most vulnerable parts of its natural heritage. More than half of the country is covered with forest while lakes and rivers make up 10% of its surface area.

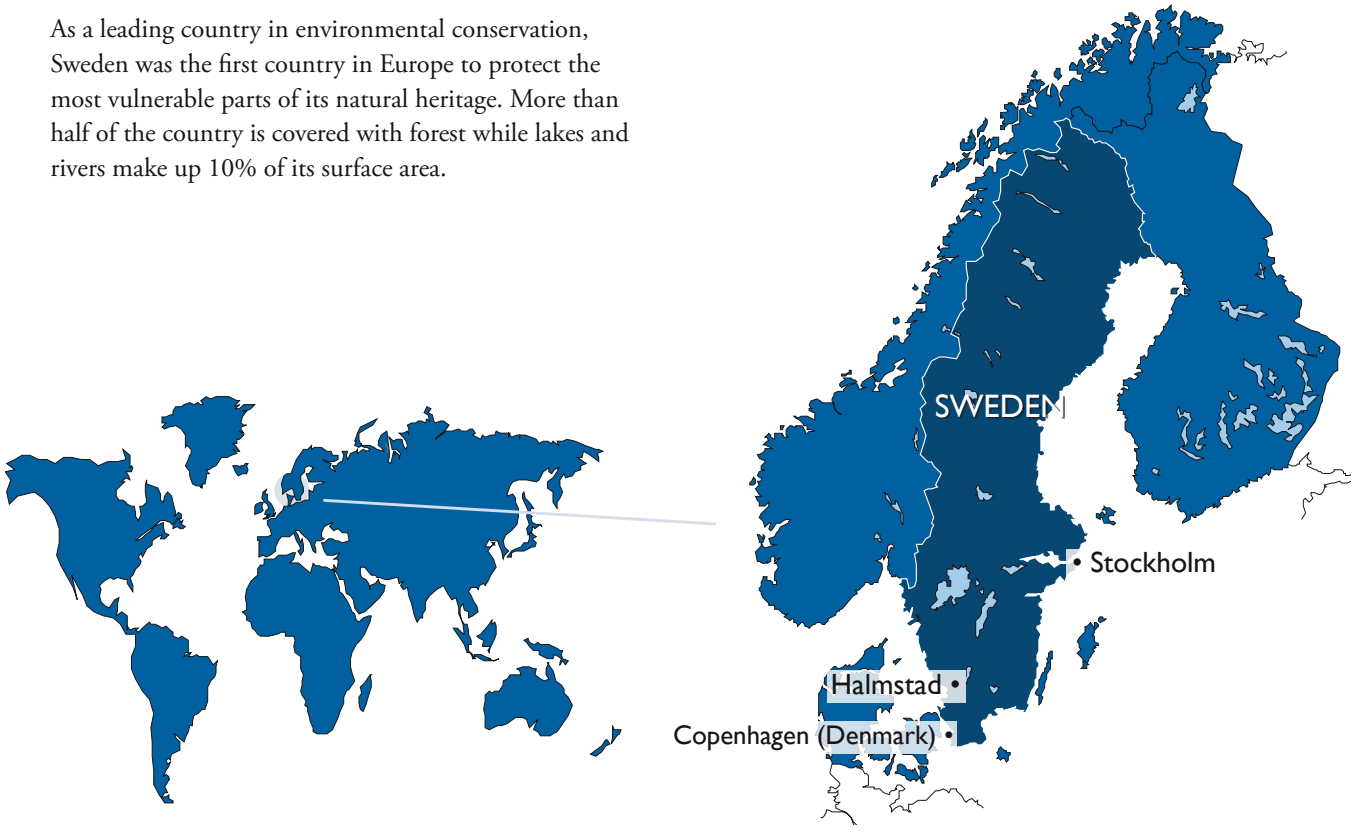
In international politics, Sweden has built a reputation as a nation of mediators. The country pursues non-alignment in international conflicts and strives to offer a safe haven for diplomatic debates. As a result, the Swedes have seen a long list of important international positions entrusted to their fellow citizens.

Despite its natural riches, Sweden is a country built on people. Over the last century, Swedish dependence on timber and iron ore has given way to an emphasis on human resources. Today, knowledge is Sweden's prime asset, with education kept in the public domain and developed to a standard that ranks consistently among the highest in OECD statistics.

This text was originally published by The Swedish Institute on www.studyinsweden.se

Further information

www.sweden.se
– the official gateway to Sweden



THE SWEDISH ACADEMIC SYSTEM

The academic year

The academic year is divided into two semesters: the autumn semester begins at the end of August and lasts until mid-January. The spring semester begins in mid-January and lasts until the beginning of June. Both semesters lasts for approximately 20 weeks. Courses are held during the summer too, but they are usually not quite as substantial as the spring/autumn courses. Should your studies in Halmstad begin or be held during the autumn there is also the Fresher's week, Nollningen, that one should not miss out on. It is an introductory period of fun and play and making new friends. Contact the Student Union for more information on the Fresher's week.

Teaching methods

Full-time studies correspond with a 40-hour working week, however, this does not mean that there are 40 hours of lectures every week. Students undertaking courses within technical subjects usually have about 20 hours scheduled classes whereas students within the social sciences, economics and arts have 10–15 hours attendance per week. The students are expected to study, a lot, at their own initiative and are expected to take a great deal of responsibility for their own studies. Apart from lectures the students may also be expected to attend discussion seminars, laboratory lessons, etc.

Examinations

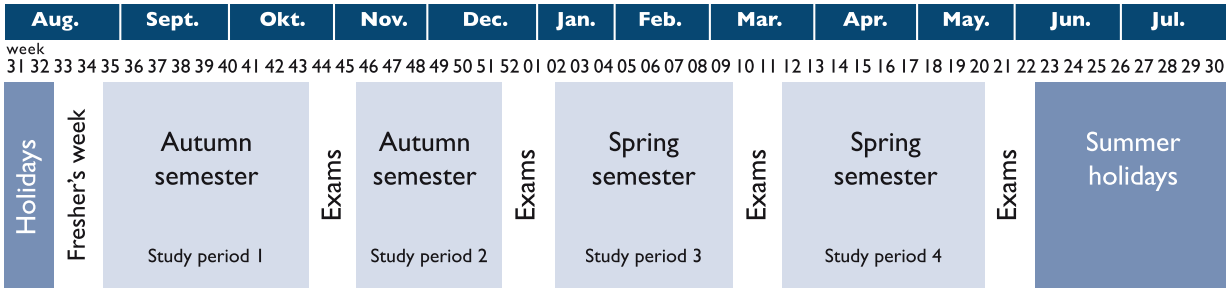
The most common way to assess students work is through written and oral tests. Group projects and essays are also common, much depending on field of study and examiner. Written reports and essays are expected to be typed and students must therefore be able to use common word processing, e-mail and the Internet.

Students in Sweden usually study one subject at a time, but there are exceptions when several courses may be studied simultaneously. Courses are usually divided into several smaller course items, these items are usually assessed as soon as they are finished. If you are taking a course item of 7,5 higher education credits within a larger course, you should expect an exam after 5–6 weeks, shortly after the last lecture.

Higher education credits

One week of successful full-time study is equivalent to 1,5 higher education credits. One academic term in Sweden comprises 20 weeks, and thus equals 30 credits. For some international students is, however, the European Credit Transfer System, ECTS, used. 1,5 credit equals 1,5 ECTS.

The academic year



Grades

Grades are given after each course assessment. There are two grading systems in Sweden. The most common is divided into three grades: Pass, Pass with Distinction and Fail (Godkänd, Väl Godkänd and Underkänd). Some courses only use the grades Pass or Fail. The other system has four grades: 3, 4, 5 and Fail. 5 is the best grade you can get and is typically given to students with exam results over 85%. The former system is used in almost all fields of study while the latter is used mainly within technical fields of study. For exchange students additional grading can be given in the scale A–F.

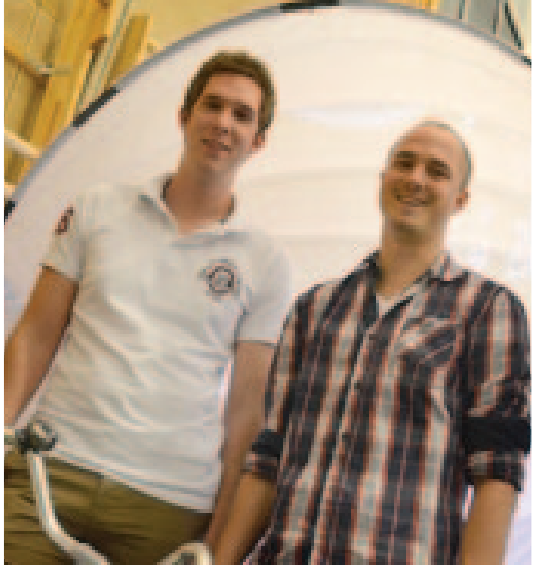
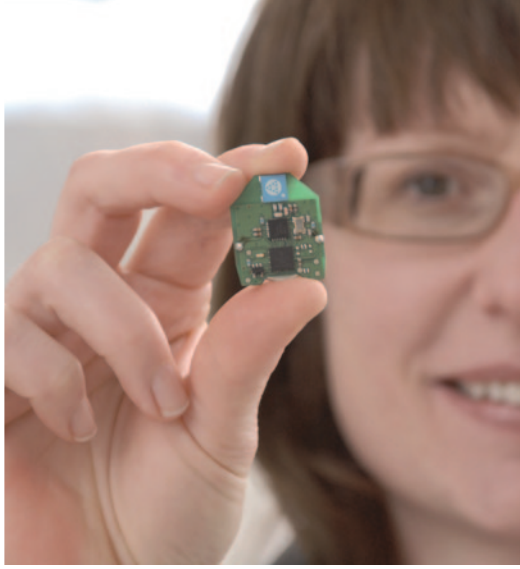
Academic misconduct

What does academic misconduct mean? Cheating, plagiarising other peoples' work and general bad behavior, such as sexual harassment or vandalism, within the University premises. Halmstad University does not accept the behaviour of students who break the rules; students who do will be suspended according to our code of conduct and regulation. It is important that you are aware of the rules, and comply with them.

Degrees

Higher education in Sweden is divided into three levels; the first, second and third. Higher education at the first and second levels is provided in the form of courses. Courses may be grouped together into programmes with varying levels of individual choice. Students themselves are also able to combine different courses towards a degree. A course syllabus is required for each course at the first and second level and a curriculum for each degree programme. Educational level and intended learning outcomes have to be specified for each course. Sweden has a system of higher education credits (högskolepoäng); a normal 40-week academic year corresponds to 60 higher education credits. The system is compatible with ECTS credits.

In the Swedish higher education system there are generally no intermediate qualifications. All degrees are regarded as final qualifications, even if there is a possibility to continue studying. Degrees are divided into general degrees and professional degrees. Translations into English of all degree names are regulated at the national level.

OUTSTANDING RESEARCH

Our research has close contact and good relations with trade and industry, associations and the public sector.

Halmstad University undertakes research in many exciting fields. Research is often multidisciplinary, i.e. it covers several different subject areas. Another characteristic is the close contact with trade and industry, associations and the public sector.

The research undertaken by our researchers reflects the University's profile and contributes to the general development of knowledge in society and at the same time gives courses a link to research. About half of the money that finances research at Halmstad University comes from external donors. The biggest financiers are the Swedish Knowledge Foundation ("KK Foundation"), the Swedish Research Council and Vinnova. Research at the University is coordinated by the Faculty board and is organised in research environments within the three areas of strength.

Area of strength: organisations

This area of strength contains the following research environments:

Center for Innovation, Entrepreneurship and Learning Research – CIEL

CIEL develops research and knowledge of innovation, entrepreneurship and regional learning. This research relates to areas such as the development of new small and medium-sized companies, and focuses on issues that relate to work on innovation and product development, strategy and management, entrepreneurship, marketing, financing, organising, control and internationalisation.

Centre for Studies of Political Science, Communication and Media – CPKM

Political scientists and media scientists conduct research in areas such as political communication, media, documentary production, issues of identity and integration, globalisation and democracy.

Social Change, Learning and Social Relations – SLSR

SLSR conducts research in the importance of gender relations for a greater understanding of change and learning processes in society, globalisation, new working and living patterns, increased computer usage and the rapid development of communication technology. (SLSR is also based in the areas of strength Quality of Life, Welfare and Culture.)

Area of strength: products

This area of strength contains the following research environments:

EIS – Embedded and Intelligent Systems

EIS is the University's biggest research environment. EIS has tremendous breadth and a clear focus. Embedded computer, sensor and communication systems based on new, enabling technology are being developed for intelligent products, processes and services.

Mechanical Engineering and Industrial Design – MTEK

This research environment is aimed at products' functional features and at early phase of product development, design and digital product models. There is also research into industrial photonics, lightweight structures and wind power technology.

Biological and Environmental Systems – BLESS

This environment conducts research in biology and chemistry, with a focus on ecology/environmental science and biomedicine/biomechanics.

Area of strength: quality of life

This area of strength contains the following research environments:

Center of Research on Welfare Health and Sport – CVHI

CVHI conducts research in subjects such as public health sciences, disability studies, health studies, cultural geography, nursing, health pedagogy, psychology, sport psychology, sport, social odontology, social work, sociology and linguistics.

Research into Education and Learning – FULL

Research in this environment deals with subject didactics (including the content of teacher training), practical research, collaboration with municipalities and schools, and relationships between education/schools and the outside world.

Context and Cultural Barriers – KK

Context and Cultural Barriers is a forum for the University's research in the field of Humanities.

Research education

Halmstad University has had the right since 2010 to issue doctoral degrees in the fields of Innovation Science and Information Technology.

Innovation Science may be viewed in the context of economic development and changes in trade and industry and society, and deals with issues such as entrepreneurship, company management and business development. Research education in this field focuses on the dynamics of innovation processes, the interplay between different players and commercial potential, particularly in international contexts.

Information Technology includes, for example, computer science, telecommunications, systems engineering and electrical engineering. Initially research education is organised in two subjects: computer technology and signal and systems engineering.

Non Degree Programme – 60/120 Ects Credits

Network Design and Computer Management

Are you interested in developing the next generation of Computer Networks? This education provides solid knowledge in practical computer- and network technology.

The first academic package (60 higher education credits, year 1) provides theoretical and practical knowledge prior to professional activity as a network administrator or an operations technician.

The second academic package (60 credits, year 2) provides more theoretical and practical knowledge about networks (complete CCNP, Cisco Certified Network Professional) and also knowledge about software and hardware in network components prior to work with industrial networks.

The education is occupationally oriented and can be taken as an independent course or supplementary to another education. The education consists of computer engineering and network technology. The area of computer engineering covers subjects from computer construction to administration of web servers. Network technology considers among other things how networks work and how they are composed (different network types, equipment and protocols). A major part of the education is carried out as laboratory work. The course has several well-equipped laboratory rooms at its disposal.

Entry requirements
Basic eligibility for university studies. Applicants must also have written and verbal command of the English language.

Certificate
The first year provides among other things knowledge corresponding to Cisco Certified Network Associate (CCNA 1-4 and CCNP 1,3). Students receive 60 credits. *Students receive a course certificate but no formal degree.*

The second year offers among other things knowledge to complete CCNP, Wireless Networks and IP-telephony, and Industrial Networks. Students can receive 60 credits or a University Diploma.

Note: CISCO certification is not part of the programme.

Contact
Nicolina Månsson, nicolina.mansson@hh.se

Bachelor Programme – Final Year Completion – 60 Ects Credits

Computer Science and Engineering

Are you interested in a Swedish bachelor's degree? Do you want to prepare for a master's programme in Computer Science or Engineering? This is the one-year education for you!

This 60 credits education is open for students at partner universities to Halmstad University. It should be interesting for those who want to have a Swedish bachelor's degree or those who want to prepare for a master's programme in Computer Science or Engineering.

The thesis project is done in the second semester. You will then have the opportunity to work in industry or within one of the research groups at the university.

Content

The following courses are given within the programme. All courses must be taken.

Autumn semester, first half:
Data Communication I, 7.5 credits
Algorithms and Data Structures, 7.5 credits

Autumn semester, second half:
Databases and Database Design, 7.5 credits
Computer Systems Engineering I, 7.5 credits

Spring semester, first half:
Computer Systems Engineering II, 7.5 credits

Spring semester, second half:
Web Systems Fundamentals, 7.5 credits

Spring semester:
Thesis, 15 credits

Degree

"Teknologie kandidatexamen med huvudområde Datorsystemteknik" with the English translation Bachelor of Science with a major in Computer Science and Engineering.

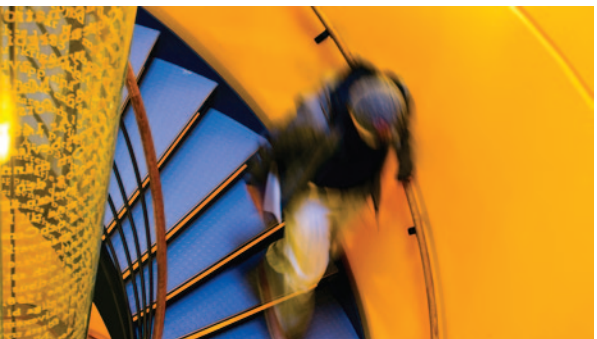
Entry requirements

To be admitted you must be engaged in bachelor level education, and be at a level where you do not need more than one year of studies/ 60 ECTS credits to qualify for a degree. Your studies must be in the Computer Science, Computer Engineering or Electrical Engineering area.

Your passed courses in mathematics must correspond to at least 30 credits or include calculus, linear algebra and transform methods. Studies in other countries than Sweden must be at the same level as a Swedish Bachelor's education in Computer Engineering. You must also have written and verbal command of the English language.

Contact

Nicolina Månsson, director of studies
Nicolina.Mansson@hh.se.



Bachelor Programme – Final Year Completion – 60 Ects Credits

Electrical Engineering with emphasis on Wireless System Design

Are you enrolled in a bachelor's programme in Electrical Engineering, interested in wireless system design and would like to have a Swedish bachelor's degree? Then this one-year programme could be the right choice for you!

The use of modern wireless systems in everyday life is increasing rapidly. Many critical applications such as WLANs, mobile phones, smart homes, sensors and radars depend on such systems. This development calls for new and emerging wireless technologies. Today we see a shift from expensive, high performance and complex systems to low cost, mass produced electronics with challenging demands on low power consumption. Yet the underlying physical principles are the same, and the electrical engineer with a speciality in wireless technologies is as important as ever.

This programme gives you the basic theoretical tools for wireless system design as well as a practical touch of RFCMOS design. With a completed thesis project, where you have the opportunity to work within a Swedish industrial environment or within one of the research groups at Halmstad University, you will be looking at promising career opportunities.

Content

Semiconductor Devices, 7.5 credits
Signal Analysis and Representation, 7.5 credits
Engineering Electromagnetics, 7.5 credits
Electronic Design and Implementation, 7.5 credits
Radio System Design, RF-ASIC, 7.5 credits
Sensor Systems, 7.5 credits
Thesis, 15 credits

Degree

”Teknologie kandidatexamen med huvudområde Elektroteknik” with the English translation Bachelor of Science with a major in Electrical Engineering.

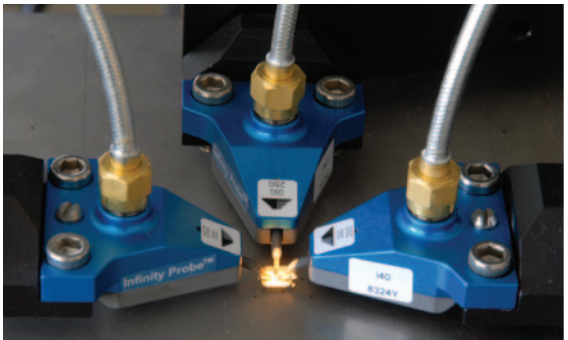
Entry requirements

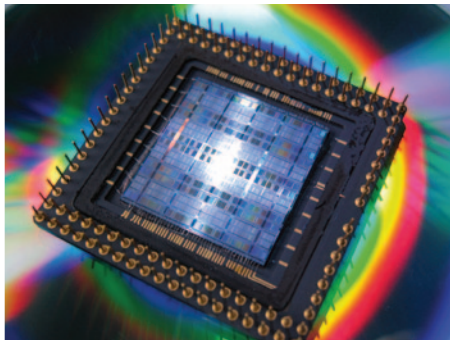
The programme is open only for exchange students at partner universities of Halmstad University. To be admitted you must be engaged in bachelor level education, and be at a level where you do not need more than one year of studies (60 ECTS credits) to qualify for a degree. Your educational background must be in the Electrical Engineering area including basic courses in mathematics, analogue and digital electronics, computer engineering, and control theory.

Your passed courses in mathematics should correspond to at least 30 credits and include calculus, linear algebra and transform methods. Studies in other countries than Sweden must be at the same level as a Swedish bachelor's education in Electrical Engineering. You should also have written and verbal command of the English language.

Contact

Mikael Hindgren, director of studies
mikael.hindgren@ hh.se





Master's Programme – 60 Ects Credits

Technical Project- and Business Management (One year)

Are you a professional with an engineering background wanting to increase your expertise in management (especially project management) and business development? Are you interested in questions relating to stimulating the development of projects? Or how management professionals choose a strategy for company growth? Alternatively you may be interested in how organisations can be encouraged to strive towards collective goals. Products reduce commercial lifecycles and lower trade barriers while the internet and better communication and transportation around the world are collectively some of the factors that make it more and more important to find a strategy combined with flexibility. For management it is important to take into consideration the degree of innovation as well as selecting and managing the innovation process. This master's programme offers an increased understanding and holistic view of development- and change-processes within project management, business development, strategy, management and organisation in companies and society.

New ideas do not become innovations until they have emerged in a market and begin to be accepted and utilised. It is therefore important to gain a practical insight into how products emerge in the marketplace and how companies and business enterprise can be set up. Knowledge about the organisation and management of innovation processes and international business development is becoming even more important. Society's need for people who work with and lead developmental efforts is increasing. At the same time, rapid progress along with expanding globalisation places even greater demands on companies' level of knowledge and their ability to improve continually in order to maintain and raise their competitiveness. This degree programme deals with the nature of innovations, the organisation and management of innovation processes and business development with an orientation towards international markets. The programme is well anchored in the university's ongoing research initiatives directed towards small and medium-sized companies. The courses are aimed at acquainting students with the disciplines of economics and technology cutting across traditional subject boundaries and are combined with more practically oriented course elements.

Year 2

Following successful completion of studies required for the degree, there is an option to continue with the second year of the master's programme in Management of Innovation and Business Development.

Degree

Degree of Master of Science (60 credits) with a major in Industrial Management and Business Administration.

Entry requirements

Entrance requirement is a Bachelor's degree in Engineering or the equivalent of 180 Swedish credit points or 180 ECTS credits in adequate areas at an accredited university. Applicants must also have written and verbal command of the English language, equivalent to English course B (passing grade) in the Swedish Upper Secondary School System. English language proficiency equivalent of English studies at upper secondary level (post-16) in Sweden, known as English course B, demonstrated in one of the following ways:

– IELTS: score (Academic) of 6.5 or more (with none of the sections scoring less than 5.5)
– TOEFL paperbased: score of 4.5 (scale 1-6) in written test and a total score of 575
– TOEFL internet-based: score of 20 (scale 0-30) in written test and a total score of 90

Contact

Programme director Leif Nordin, leif.nordin@hh.se

Year 1 – Autumn Semester

Strategic Innovation Management	Scientific Examination in Strategic Innovation Management
Entrepreneurship and Innovation	Growth and Business Development

Year 1 – Spring Semester

Research Method	Leadership Development
Dissertation 15 ECTS	

Master's Programme – 60 Ects Credits

Computer Network Engineering (One year)

This master's programme provides theoretical and practical knowledge useful for a professional activity as a network specialist and security manager. As a student in this programme you will develop competence for design and implementation of secure advanced computer networks and gain deeper knowledge in the areas of programming, simulation and protocols.
You will also learn to independently search for solutions to real, technically complex research tasks, avail your self of scientific papers and use advanced methods of analysis and construction.
The education also provides knowledge corresponding to Cisco Certified Network Professional (CCNP).

This programme starts in January each year.

Content
Applied advanced routing, 7.5 credits
Modern communication systems and networks, 7.5 credits
Multilayer switching, 7.5 credits
Simulation of complex computer networks, 7.5 credits
Secure and optimized converged networks, 7.5 credits
Wireless communication systems, 7.5 credits
Thesis, 15 credits

Degree
"Teknologie magisterexamen med huvudområdet datorsystemteknik" with the english translation Degree of Master of Science (60 credits) with a Major in Computer Systems Engineering. In the degree certificate will also be stated the specialisation of the degree: Computer network engineering.

Entry requirements
Knowledge in computer communications or computer networks corresponding to the courses Computer Networks I and Computer Networks II, including good knowledge in TCP/IP, e.g. IP-addressing, subnetting, access lists, practical router onfiguration.
Knowledge in programming corresponding to the courses Programming and Algorithms and data structures.

Bachelor of Science degree (or equivalent) in an engineering subject or in computer science.
Courses in computer science, computer engineering or electrical engineering of at least 90 credits, including thesis. Courses in mathematics of at least 30 credits or including calculus, linear algebra and transform methods. Applicants must also have written and verbal command of the English language.

PREPARATORY SEMESTER FOR MASTER'S PROGRAMME IN COMPUTER NETWORK ENGINEERING

Students lacking the courses Computer networks I and Computer networks II (corresponding to CCNA 1-4) can take these courses at a short programme during the autumn semester. More information is found at the programme "Computer Network Engineering, 30 credits".

Contact
Jörgen Carlsson, jorgen.carlsson@hh.se

Master's Programme – 120 Ects Credits

Embedded and Intelligent Systems (Two year)

This is an education for students wanting technical specialist competence, research experience and better career opportunities after their education. The programme requires a previous education in the electrical-, computer- or mechatronical engineering or information and communication technology fields.

During the studies you will be in direct connection with the University's research since the teaching is carried on by active researchers. Many of the courses are project based and give the opportunity to study international research. The thesis work is done in the third and fourth semesters. Most students then cooperate with one of our research groups, in many cases with industrial connection.

As a student in this programme you choose one of the following specialisations:

Communication systems, focusing on communication in real-time computer systems. Core subjects are Computer networks, Optical communication, Real-time communication and Wireless communication.

Embedded systems, dealing with new methods in computer architecture, particularly co-operating embedded systems. Core subjects of this specialization are computer architecture, parallel computing and programming for embedded systems.

Intelligent systems, focusing on how to create autonomous and self-regulating computer systems. Core subjects are artificial intelligence, image- and signal analysis, control theory and techniques for sensoric and motoric systems.

Entry requirements
Bachelor of Science degree (or equivalent) in an engineering subject or in computer science.

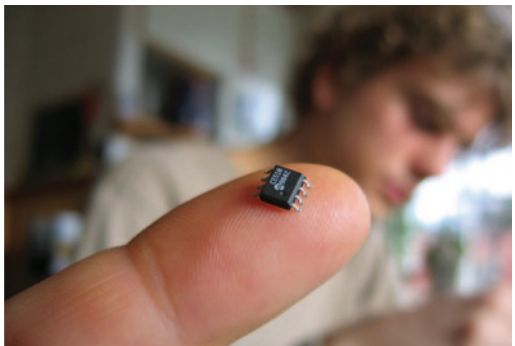
Courses in computer science, computer engineering or electrical engineering of at least 90 credits, including thesis.

Courses in mathematics of at least 30 credits or including calculus, linear algebra and transform methods. Degrees from other countries than Sweden must be at the same level as a Swedish Bachelor's degree in computer or electrical engineering.

Applicants must also have written and verbal command of the English language.

Degree
"Teknologie masterexamen med huvudområdet datateknik" with the English translation Degree of Master of Science (120 credits) with a major in Computer Science and Engineering.

Contact
Jörgen Carlsson, jorgen.carlsson@hh.se



Master's Programme – 120 Ects Credits

Information Technology (Two year)

This European master's programme is offered in cooperation between universities in Sweden, Denmark, Germany and Poland. Detailed information on the programme is found at www.it-master.org.

At the programme you can develop your knowledge of signal analysis, communication technique and computer science. You also gain experience in project work for research and development and of acting in an international environment in several European countries. The programme is given completely in English. The European cooperation makes the total cost for tuition fees for this programme comparatively low, see www.it-master.org for details.

The programme is offered jointly by:
Halmstad University in Sweden.
Wroclaw Technical University in Poland.
Ostwestfalen-Lippe University of Applied Sciences in Lemgo, Germany.
Ålborg University in Esbjerg, Denmark.

All students at the programme spend their first semester in either Halmstad or Wroclaw, where they develop a common ground of mathematics, programming, computer architecture and signal analysis.

In the second semester students choose to specialise in some aspect of Information Technology. This second semester is spent in either Halmstad or Lemgo.

The third semester is spent either in Esbjerg, Lemgo or Wroclaw. In either place a large part of this semester's work is a project, performed by a group, where students practice their specialised knowledge from previous semesters.

Each student chooses the places of study, but has to spend the first three semesters at either two or three different universities. Students are supported by a well-developed system for the transitions between the universities.

In the fourth semester a thesis is done at one of the universities where the student studied in the first three semesters. This university issues the degree after completion of the thesis.

Entry requirements

Bachelor of Science degree (or equivalent) in an engineering subject or in computer science. Courses in computer science, computer engineering or electrical engineering of at least 90 higher education credits, including thesis. Courses in mathematics of at least 30 higer education credits or including calculus, linear algebra and transform methods.

Degrees from other countries than Sweden must be at the same level as a Swedish Bachelor's degree in electrical engineering.

Applicants must also have written and verbal command of the English language.

Degree

Teknologie masterexamen med huvudområdet datateknik" with the English translation Degree of Master of Science (120 credits) with a major in Computer Science and Engineering.

Contact

Jörgen Carlsson, jorgen.carlsson@hh.se

Master's Programme – 60 Ects Credits

Microelectronics and Photonics (One year)

At this one-year programme you can build a basis for future work with development or construction in microelectronics or with application of electrooptical components and systems. The programme requires a previous education in the field of electrical engineering or physics.

At the programme you can choose to specialise in semiconductor technology, particularly production methods and function of components and integrated circuits. Alternatively, you can specialise in optical and wireless techniques, particularly for communication or non-intrusive measurements using radio waves or light. You will also gain a basic knowledge of the tools of nanotechnology and the new possibilities it creates for future components.

The programme is given in close contact with the Univerity's research in this strongly developing area. The thesis project is done in the second semester. You will then have the opportunity to work with the research groups at the University or in industry.

The following courses are offered within the programme: Compulsory courses: Photonics, Solid state electronics I, Solid state electronics II, Technology for micro- and nanostructures, Thesis.

Optional courses: Multivariable calculus, Optics, vision and cameras, Optical communication, Random processes.

Entry requirements
Bachelor of Science degree (or equivalent) in an engineering subject or in physics.

Courses in electrical engineering or physics of at least 90 credits, including thesis.

Courses in mathematics of at least 30 credits or including calculus, linear algebra and transform methods.

Degrees from other countries than Sweden must be at the same level as a Swedish Bachelor's degree.

Applicants must also have written and verbal command of the English language.

Degree
"Teknologie magisterexamen med huvudområdet elektroteknik" with the English translation Degree of Master of Science (60 credits) with a major in Electrical Engineering.

Contact
Jörgen Carlsson, jorgen.carlsson@hh.se



Master's Programme – 60 Ects Credits

International Marketing (One year)

Lower trade barriers in a addition to development in transportation and communication technology are some of the factors that have made it easier to do business abroad. Many companies have taken advantage of these new opportunities, and compete in the international arena, increasing global competition.This makes international marketing an important issue for many businesses.

It is crucial for a company's international development to gain knowledge about the international environment as well as to evaluate the company's strategic resources. What markets should the organisation compete in? How should the company deal with different cultures? What modes of entry should the business use in different markets? Should the company adapt to different markets, or standardise and go for a global approach? These are some of the questions that will be dealt with in this programme.

Sweden is, as a small country, very dependent on international business. Many Swedish companies have been successful in the international market. Organisations such as Volvo, Saab, Scania, Ericsson, H&M, Electrolux and IKEA are just some of the Swedish names that are dependent on international marketing to succeed. As Sweden is dependent on international trade, research and education in this area have been in focus in Sweden. In Halmstad, however, the focus is not only on large, well established companies but also on new, expanding international ventures. The research in international marketing in Halmstad, which is the basis of this programme, deals for example with supply chain management, ethical values, and principles and international growing businesses, so called "Born Globals".

Year 2

After completing the requirements for the degree, there is an option to continue with the second year of the master's programme in Management of Innovation and Business Development.

Degree

"Ekonomie/filosofie magisterexamen" with the English translation Degree of Master of Science in Business and Economics (60 credits) with a major in Business Administration.

Entry requirements

Entrance requirement is a Bachelor's degree in Business studies or the equivalent of 180 Swedish credit points or 180 ECTS credits in adequate areas at an accredited university. Basic knowledge of marketing (at least one course of 7.5 credits. The degree should include 90 Swedish credit points in Business Administration and basic knowledge in marketing.

Applicants must also have written and verbal command of the English language, equivalent to English course B (passing grade) in the Swedish Upper Secondary School System. English language proficiency equivalent of English studies at upper secondary level (post-16) in Sweden, known as English course B, demonstrated in one of the following ways:

– IELTS: score (Academic) of 6.5 or more (with none of the sections scoring less than 5.5)
– TOEFL paperbased: score of 4.5 (scale 1-6) in written test and a total score of 575
– TOEFL internet-based: score of 20 (scale 0-30) in written test and a total score of 90

Contact

Programme director, Professor Svante Andersson, svante.andersson@hh.se

Year 1 – Autumn Semester

International Marketing Strategy	Frontiers of Research in International Marketing
Entrepreneurship and Innovation	Growth and Business Development

Year 1 – Spring Semester

Research Method	Leadership Development
Dissertation 15 ECTS	

Master's Programme – 60 Ects Credits

Strategic Management and Leadership
(One year)

This is a degree programme for students preparing for work in the areas of strategic management and leadership. The programme prepares students to deal with the strategic and cultural aspects of management and leadership in the global arena as well as paving the way for students to pursue further research in strategic management and leadership. Teamwork together with students from other countries is an essential part of the programme.

The comprehensive aim and goal with the degree course is for students to become familiar with strategies of management and leadership, and how to develop and change businesses. This will be achieved through the adoption of both a holistic view and a theoretical extension of previous knowledge, partly to be able to lead, develop and initiate processes of change in different businesses, and partly to fulfill the eligibility requirements for entry on to doctoral research programmes. This programme also provides knowledge about a company's development from initial idea via establishment to growth. In this context some conceptions such as entrepreneurship, innovation and growth are focused upon. Students have the opportunity to critically examine the literature and theory in this area.

After the programme students should be prepared to develop and manage international businesses and projects concerning strategic management and leadership. The students should also be in a position to continue studies at a doctoral level in management and leadership. Students should be able to independently and in groups gather an analyse information and consider both academic and practical implications. Students should also develop their methodological knowledge and be aware of the ethical aspects in research and business.

Year 2
After obtaining this degree, there is an option to continue with the second year of the master's programme in Management of Innovation and Business Development.

Degree
"Ekonomie/filosofie magisterexamen" with the English translation Degree of Master of Science in Business and Economics (60 credits) with a major in Business Administration.

Entry requirements
Entrance requirement is a Bachelor's degree in Business studies or the equivalent of 180 Swedish credit points or 180 ECTS credits in adequate areas at an accredited university. The degree should include 90 Swedish credit points in Business Administration and basic knowledge in management and leadership.

Applicants must also have written and verbal command of the English language, equivalent to English course B (passing grade) in the Swedish Upper Secondary School System. English language proficiency equivalent of English studies at upper secondary level (post-16) in Sweden, known as English course B, demonstrated in one of the following ways:

– IELTS: score (Academic) of 6.5 or more (with none of the sections scoring less than 5.5)
– TOEFL paperbased: score of 4.5 (scale 1-6) in written test and a total score of 575
– TOEFL internet-based: score of 20 (scale 0-30) in written test and a total score of 90

Contact
Programme director Ingemar Wictor,
ingemar.wictor@hh.se

Year 1 – Autumn Semester

Strategic Innovation Management	Business Management
Entrepreneurship and Innovation	Growth and Business Development

Year 1 – Spring Semester

Research Method	Leadership Development
Dissertation 15 ECTS	

Master's Programme – 120 Ects Credits

Management of Innovation and Business Development (Two year)

Innovations, as well as improvements of products and organisations, occur in collaboration with many different actors. What counts is not only individual serendipity, but an interplay between individuals and organisations, which in turn is affected by different structures, cultures and knowledge.

This programme has three different entry points: (one year master programmes see page 27-29)

1, International Marketing
If you chose International Marketing you will study challenges and barriers regarding strategy and leadership in the international market as well as learning to analyse opportunities and threats. You will study the alternative markets that a firm can enter into and the pros and cons with different entry modes. You will learn to act professionally in different international contexts. All courses are taught in English and you will study together with students from all over the world.

2, Strategic Management and Leadership
This is a programme for students preparing for work in the areas of strategic management and leadership. The programme prepares students to handle strategic and cultural aspects of management and leadership in the global arena as well as paving the way for students to pursue further research in strategic management and leadership. Teamwork with students from other countries is an essential part of the education.

3, Technical Project- and Business Management
This is a Masters programme offering advanced knowledge and skills in project management, business development, strategy, leadership and organisation. The programme focuses on the business development of companies and the processes in the business system driving development forward. You will improve your reflective abilities both academically and operatively.

Second Year of the Master programme
The over-arching objective of the course is that upon completion of studies the student should be able to work with as well as manage technological and business development in small and medium-sized businesses. During the second year of the programme, increased emphasis is put on students themselves taking the initiative for their knowledge development and that they should be able to demonstrate the requisite skills and expertise to participate in research and developmental work or to work in other qualified operational areas.

Degree
Degree of Master of Science in Busines and Economics (120 credits) with a major in Management of Innovation and Business Development.

Entry requirements
Please check page 27-29 for information on entry requirements.

Contact
Programme director Joakim Tell, joakim.tell@hh.se

Year 2 – Autumn Semester

Management and Economics of Innovation	Development and Diffusion of Innovations
Management of Change	Frontiers of Research in Management of Innovation and Business Development

Year 2 – Spring Semester

International Marketing Communicatiomn	Multicultural Management
Dissertation 15 ECTS	

Master's Programme – 60 Ects Credits

Applied Environmental Science (One year)

This Master´s programme will offer you an educational profile which makes you qualified to use scientific knowledge to solve environmental problems.

Applied Environmental Science is, quite simply, the way in which environmental science can be put to use in order to solve environmental problems. Within this Masters Programme, you will expand your knowledge within selected parts of this wide field and take part in research projects under the guidance of senior scientists within environmental science.

The programme starts in August each year with a course in Applied Environmental Science (15 ECTS credits) where you obtain a wide understanding of the subject and also insight into ongoing research. The second part of the autumn semester, you will take a course in Research Methods in Applied Environmental Science (15 ECTS credits), where you will get acquainted with scientific thinking and methods. This is both a theoretical and a practical course. The practical part may for instance involve that you collect and analyse your own data within a research project. You will also learn how to interpret and analyse scientific reports and develop your ability to use statistical methods within environmental research.

During the second semester, you can take a course in Environmental Decision Making (7.5 ECTS credits) as well as a course in Wetland Technology (7.5 ECTS credits). You can also choose to do an individual Literature Project (7.5 ECTS credits) focusing on a specific area of applied environmental science. Depending on your previous studies and your interests, you may finally conduct a thesis project resulting in a Masters thesis (15 or 30 ECTS credits). In total, your Masters degree should include 60 ECTS credits.

Degree

"Filosofie magisterexamen med huvudområde Miljövetenskap" with the English translation Degree of Master of Science (60 credits) with a Major in Environmental Science.

Entry requirements

Entrance requirement is a Bachelor's degree in Environmental Health, Ecology, Environmental Engineering, Environmental Science; Natural Sciences with orientation towards environmental issues, or the equivalent, at an accredited university. Degrees from other countries than Sweden must be at the same level as a Swedish Bachelor's degree.

Applicants must also have written and verbal command of the English language, equivalent to English course B (passing grade) in the Swedish Upper Secondary School System. English language proficiency equivalent of English studies at upper secondary level (post-16) in Sweden, known as English course B, demonstrated in one of the following ways:

– IELTS: score (Academic) of 6.5 or more (with none of the sections scoring less than 5.5)
– TOEFL paperbased: score of 4.5 (scale 1-6) in written test and a total score of 575
– TOEFL internet-based: score of 20 (scale 0-30) in written test and a total score of 90

Contact

Professor Stefan Weisner, stefan.weisner@hh.se

Master's Programme – 60 Ects Credits

Sport and Exercise Science – Human Performance
(One year)

Are you interested in deepening your knowledge of the limitations of the human body and possible ways to enhance performance? This might be a program for you!

This masters program in sport and exercise science takes an exercise physiological and sports biomechanical approach to the scientific study of human performance. We explore the body's ability to perform athletically both at an elite as well as at a recreational level.

After completion of the program, students should have acquired extensive knowledge and understanding relating to the potential and limitations of human performance in the fields of exercise physiology and sports biomechanics. Partly delivered via distance learning and intensive study weeks, courses are designed to develop students' understanding of factors determining human performance, and acquire skills in methods and techniques for assessing, analysing and evaluating human performance both at an elite sports level as well as for human health performance.

The master's programme (60 credits) is partly given in collaboration with University of Worcester, England, also offering the opportunity to complete some course work abroad. The program prepares the student to go into future careers in sport and exercise science, or progress to further post-graduate study/research.

Degrees
Upon successful completion of the degree program, a degree certificate will be issued bearing the title "Degree of Masters of Science with a major in Sports and Exercise Science - Human Performance"

Entry reqirements
Entrance requirements is a Bachelor of Science (alt. B.A.) in the field of Sports and Exercise Science with a minimum of 60 credits in the areas of (sports) biomechanics, (exercise) physiology, and/or athletic training, or the equivalent at an accredited university.

Applicants must also have written and verbal command of the English language equivalent to English course B (Swedish Upper-Secondary School). This can be proved by grades from English education or by such tests as:

* IELTS: score (Academic) of 6.5 or more (with none of the sections scoring less than 5.5)

* TOEFL paper based: score of 4.5 in written test and a total score of 575

* TOEFL internet-based: score of 20 in written test and a total score of 90

Selection rules and procedure,
Available for exchange students. Limited numbers of seats.

Contact
Charlotte Olsson
Phone +46 35 16 77 41
e-mail: magister_biomedicin@hh.se

Study Abroad Semester – Single Subject Courses – Areas of Study

Within the following study areas are courses for exchange students offered. Exact information regarding specific courses will be given at the beginning of each semester.

Biology and Environmental Science
Single subject courses are offered within this field of study as well as a Master's programme.

Biomechanics
Single subject courses are offered within this field of study.

Business Administration
Single subject courses are offered within this field of study.

Computer Science and Engineering
Single subject courses are offered within this field of study as well as non-degree programmes and Master's programmes.

Computional Science and Engineering
Single subject courses are offered within this field of study as well as a Master's programme.

Construction Engineering
Single subject courses are offered within this field of study.

Electrical Engineering
Single subject courses are offered within this field of study as well as Master's programmes.

Energy Technology
Single subject courses are offered within this field of study.

English
Single subject courses are offered within this field of study.

Informatics
Single subject courses are offered within this field of study as well as a final year completion.

International Relations
Single subject courses are offered within this field of study as well as a final year completion.

Marketing
Single subject courses are offered within this field of study as well as a Master's programme.

Mathematics
Single subject courses are offered within this field of study.

Mechanical Engineering
Single subject courses are offered within this field of study.

Media
Single subject courses are offered within this field of study.

Sociology
Single subject courses are offered within this field of study.

Sport and Excersise
Single subject courses are offered within this field of study.

Sport Science
Single subject courses are offered within this field of study.

Swedish and Scandinavian studies
Single subject courses are offered within this field of study.

Teacher Education
Single subject courses are offered within this field of study.

Further information
Please note that there might be changes to the courses and that some course modules may have prerequisites.

www.hh.se

APPLICATION AND ADMISSION FOR EXCHANGE STUDENTS

Bilateral exchange programmes

The most common, and easiest, way for international students to get admitted to studies at Halmstad University is if your home university has a bilateral student exchange programme, such as a bilateral agreement, with Halmstad University. Studying through an exchange programme has some obvious benefits: you are guaranteed to get your courses readily credited and the host university offers housing at a reasonable cost. The application process is also very much simplified, contact your home University's International Office for application forms and guidance. You should also look into what courses are available to exchange students here at Halmstad University and fill out the Application Form for courses within Exchange Programmes on line.

There are also specific entrance requirements; these apply to some courses within specific areas where special prior knowledge is required for the student to be able to benefit from the course. The specific entrance requirements apply to courses on higher levels, i.e. Master degree programmes, or courses that require certain skills or knowledge such as mathematics or language skills. The entrance requirements are always clearly stated in the prospectus / course descriptions.

Language proficiency

A lot of emphasis is put on language skills, English in particular. Language skills are crucial for being able to benefit from the studies, being able to participate in classes and seminars, reading and understanding the course literature and taking the exams. If you do not fulfill the English language proficiency requirements you are not qualified for studying at Halmstad University. Contact you home university for more information regarding language proficiency.

Letter of Admission

A formal Letter of Admission is a precondition to register as a student at Halmstad University. This letter is sent to all students admitted to a course or a programme, without it you will not be able to study at Halmstad University. The document indicates the conditions under which admission has been granted and to what programmes/courses.

For application, please contact your home university.

LAST DAY TO APPLY

- **Autumn semester**
  April 15th for exchange students
- **Spring semester**
  Oct 15th for exchange students

Tuition fees do not apply for exchange students, PhD students or EU/EEA students.

Further information

For further information on programmes and application procedure, please look at:

www.hh.se

APPLICATION AND ADMISSION INTERNATIONAL STUDENTS

An international student is a student who organises his/her studies in Sweden independently. They apply directly to the Swedish application system and are not tied to any special agreements. This differentiates them from an exchange student, who applies within an exchange agreement between two universities.

To be an international student means that you apply to the University, via www.studera.nu, under similar conditions as Swedish students.

Language proficiency

For courses and study programs where English is the language of instruction, the English language entry requirement is the equivalent of English studies at upper secondary level (post-16) in Sweden, called English B or at the lower level, called English A. At Halmstad University the required level varies so please check the course/program description thoroughly at www.hh.se.

IELTS

For English course B : an overall mark of 6.5 and no section below 5.5.
For English course A : an overall mark of 5.5 and no section below 5.0.

TOEFL Paper-based

For English B : Score of 4.5 (scale 1-6) in written test and a total score of 575.
For English A : Score of 4.0 (scale 1-6) in written test and a total score of 530.

TOEFL Internet-based

For English B : Score of 20 (scale 0-30) in written test and a total score of 90.
For English A : Score of 17 (scale 0-30) in written test and a total score of 72.

LAST DAY TO APPLY

- **Autumn semester**
  January 15th for international students

- **Spring semester**
  August 15th for international students

Further information
For further information on programmes and application procedure, please look at:

www.universityadmissions.se/
www.hh.se

TUITION FEES AND PAYMENT

Tuition fees

Application and tuition fees has been introduced for students with citizenship in countries outside the EU/EEA and Switzerland, beginning with application to the autumn semester 2011. Please consult www.studera.nu to find out more about application and tuition fees, and whether or not you are required to pay them.

The tuition fee for a specific programme or course can be found under the programme or course description at our website www.hh.se.

EU/EEA Students

There are no application or tuition fees for students who are citizens of the European Union (EU), the European Economic Area (EEA) and Switzerland.

Non-EU/EEA Students

In general, individuals who are citizens of countries outside of the European Union (EU), European Economic Area (EEA) and Switzerland are required to pay application and tuition fees. There are some exceptions to this general rule. Please visit www.studera.nu for the list of criteria which exempts individuals, meaning they do not have to pay tuition fees. If you do not meet any of these criteria, you are mostly likely required to pay fees.

Tuition fees do not apply for exchange students, PhD students or EU/EEA students.

Payment

For information on payment, please see www.hh.se

For information regarding residence permits, please see the Swedish Migration Board website: http://www.migrationsverket.se/

Scholarships

Halmstad University scholarships

Halmstad University offers scholarships for high performing international students. For more information about these scholarships, please visit www.hh.se

The Swedish Institute scholarships

The Swedish Institute, a government agency, each year administers scholarships for international students and researchers coming to Sweden to pursue their objectives at a Swedish university. For information on these scholarships, please visit http://www.studyinsweden.se/Scholarships/SI-scholarships/

Scholarships are only offered to international students.


ENGINEER/BIOLOGIST
ENERGY ECONOMIST
PRE-SCHOOL TEACHER
MECHATRONICS ENGINEER
TOURISM DEVELOPER
PUBLIC HEALTH COACH
TEACHER
AMBULANCE NURSE
WEB DESIGNER
CULTURAL WRITER
CAD ENGINEER
INTERNATIONAL MARKETING MANAGER
NURSE
MEDIA PRODUCER
SYSTEMS DEVELOPER
WORKING LIFE SCIENTIST
IT FORENSIC SCIENTIST
ECONOMIST
ENVIRONMENTAL SCIENTIST

Further information:

www.hh.se
Halmstad University

www.studyinsweden.se

www.karen.hh.se
Halmstad Student Union

www.sweden.se
The official gateway to Sweden

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E-mail, Registry clerk: registrator@hh.se, www.hh.se

Halmstad University, Information Department, August 2011.