Study and live on the west coast of Sweden! Choose a university town where you will have room to express your ideas, and where you will make friends for life.
Right now you are about to start a journey that may take you anywhere. No matter what education you choose, the next few years will bring about changes for you – for the rest of your life! This magazine is meant to inspire you to start this journey at Halmstad University, in many ways other words for development and new thinking. And we give you the first lesson at once: you are responsible for the first step of your future.
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### Educational Programmes

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Finding your path to success is about more than choosing the right degree programme. It’s also about choosing the right university in the right location – one that gives you a good living situation, a rewarding social life and lots to discover during your free time. Here are just a few of the ways Halmstad delivers:
An ideal size
Our ideal size lets us dedicate personal attention to every student on campus, to support your success during your studies and to launch you into the career of your dreams. Being a small city, Halmstad offers a peaceful study environment and makes for close relationships between researchers, students and businesses in our community.

An innovative university
Our top-ranked degree programmes in exciting, cutting-edge areas are highly regarded far beyond the academic world. Our programmes are focused on innovation to meet the real needs of businesses and societies, both today and in the future, and that gives you a competitive advantage.

An ideal location
We are located in one of Sweden’s greenest, smartest and healthiest small cities, with an inspiring riverside and seaside setting that includes Sweden’s most famous beach. And Halmstad is just a short, under 90-minute, drive or train-ride from Göteborg in one direction, and the Malmö-Copenhagen metro area in the other.

... and of course: Student life
Halmstad is often rated as an excellent university town and is said to have the best freshers’ week in Sweden. The freshers’ week is preceded by months of planning and preparation, all done to make you feel welcome as a new student and to help you get to know the university, your fellow students and your new home.

Once the semester gets started, you will discover the other benefits of being a Halmstad student, such as the wide range of both practical and fun student union activities, the many student associations with their varying interests, the culture and entertainment scene on campus as well as in the town centre, and of course, the social interaction with other people.
There are 9.7 million people in Sweden. The capital of Sweden, Stockholm, is also the country’s largest city with more than 850,000 inhabitants. 94,000 of the Swedes are living in Halmstad.

Lagom is an important and often-used word in Sweden. Meaning good enough, or just right, it sums up Swedish cultural and social ideals of equality and fairness.

Halmstad’s dining scene offers you a wide range of cafés and restaurants including gourmet, organic, veggie and ethnic, to satisfy your hunger and your wallet.

Halmstad is a charming little city with plenty for you to discover on your free time. The main square (Stora Torget) is the heart of the city centre, with year-round market stands and restaurants that expand with outdoor patios during the summer.

The North Gate is one of Sweden’s few preserved city gates, and one of many reminders of Halmstad’s history that you’ll discover on a walk through the city centre.
setting the tone ...

Sweden is the world’s biggest exporter of pop music in relation to GDP. ABBA, Swedish House Mafia, Robyn and Avicii, there always seems to be at least one Swedish act at the top. Many years ago, Gyllene Tider and Roxette put Halmstad on the musical map of the world. Now artists such as Linnea Henriksson, Basshunter, Linnea Olsson and MaryJet are about to do the same thing.

Do you like second hand shopping, or do you have an eye for the more exclusive boutiques? Are you someone who only eats vegetarian and organic? Or perhaps sushi is your thing? Is music and theatre your greatest passion in life? Whatever your interests or style, Halmstad has much to offer. You can find most of everything here.

Halmstad is full of small, exclusive fashion and lifestyle shops and great second hand shopping, in addition to all the major high street chains.

**SOCIALISE**

Students gather at the many local cafés, pubs and nightclubs to connect and listen to live music and great DJs. And summertime means trendy nightclubs and outdoor concerts at Tylösand.

**SHOP**

Halmstad is full of small, exclusive fashion and lifestyle shops and great second hand shopping, in addition to all the major high street chains.

**NISSAN RIVER**

The Nissan River flows calmly through Halmstad, enhancing the nautical atmosphere. Enjoy the sunshine in the green parks, on restaurant patios or on the City Library’s inviting sundeck.

**ENJOY THE OUTDOORS**

With plenty of seaside and riverside parks and trails, as well as a beech forest and panoramic viewpoints on Galgberget Hill, Halmstad offers you plenty of green spaces for walking, biking, picnicking and relaxing.
Run, jump, ride, paddle, swim, surf, row, lift, bat, kick, throw, pull, pitch, peddle, pass, shoot... Sporty Halmstad lets you explore all kinds of sports and fitness activities and it is easy to find an outlet for all your sport and fitness-related interests. There are no excuses, only possibilities.
what’s up?

A variety of associations to choose from
Everyone knows that keeping yourself active is good for your health and that being in good physical shape helps your performance outside the gym, the sports centre or the exercise tracks as well. In Halmstad, it is easy to find a form of exercise that suits you and there is also a rich variety of associations to join if you want to work out with others. In addition to all kinds of team sports, you can choose from several types of martial arts, athletics, CrossFit, orienteering, cycling and equestrian sports. Rowing, canoeing and other water sports also attract many enthusiasts, as do our nine golf clubs, which offer a total of 165 challenging holes.

Become a supporter and see the elite live
Do you enjoy seeing good athletes give their all in exciting games and matches? Our top handball, table tennis, volleyball, ice hockey, football and floorball teams face off against the other Swedish elite teams, and they deserve all the support they can get from the stands. Not only will you experience the amazing atmosphere, but you will often pay a discounted entry fee as a student of the University. It’s a win-win situation!

a gym on nearly every corner

an amazing skate park

when the ocean calls

Halmstad has some of Sweden’s best surfing beaches. Come in the autumn when the wind and waves are at their best at our 20 beaches.

the capital of golf with 12 courses

FIKA

Swedes study and work hard but the fika – a coffee break that normally consists of coffee or tea, cookies or sweet buns – is a social institution and an important part of the national culture.

At destinationhalmstad.se, you can find out what is going on around town, be it sports, music, theatre, exhibitions or fairs.
Shopping outside the town centre

1) Flygstaden is Halmstad’s fastest-growing shopping area with approx. 40 stores offering everything from groceries to new cars.

2) Eurostop shopping centre has 35 shops under one roof where you’ll find shoes, clothing, electronics, cosmetics, flowers, groceries and more.

3) Stenalyckan shopping centre has some 30 shops ranging from food and home furnishings to sporting goods and outdoor supplies.

Free-time activities

4) Örjans vall football stadium is home field for Halmstad BK football club.

5) Mickedala Equestrian Centre is centrally located and home to Halmstad’s FRK horse riding and equestrian activities.

6) Halmstad Arena offers sports halls, ice rinks, an indoor water park, swimming pools, gym, fitness centre and more.

Culture

7) The Art Museum of Halland is beautifully situated by the Nissan River in Norre Katt Park in central Halmstad. The museum’s permanent collection includes the works of Sven “X-et” Erixson and Olle Baertling.

8) Mjellby Art Museum shows its permanent collection of the works of the Halmstad Group, as well as Swedish and international art with a modern and surreal focus.

Saltwater swimming and sandy beaches

Discover your favourite among Halmstad’s 22 beaches on our 40-kilometre stretch of sandy coastline. Enjoy swimming, sea kayaking, windsurfing and fishing from Tönnersa in the south to Steninge in the north.

Bike paths

Very few hills and plenty of bike paths make Halmstad a great biking city.

Getting to and from Halmstad

Halmstad City Airport – daily flights get you to and from Stockholm (Arlanda and Bromma). And an active flying club offers gliding, skydiving and small-plane flying.

Halmstad Central Station – frequent trains and buses connect Halmstad to outlying areas in Halland, and get you directly to Gothenburg in 75 minutes, to Malmö and Copenhagen in less than 2 hours and to Stockholm in 4.5 hours.

Outdoor concerts at Hotel Tylösand welcome approximately 2,000 people every day throughout July and August.

Find out more at halmstad.se and destinationhalmstad.se
Brottet, a 50-metre long saltwater outdoor pool, boasts a beautiful waterfront location.

Halmstad’s charming city centre offers you plenty to discover – from small boutique shops to major chain stores and a wide range of cafés, restaurants, pubs and nightclubs.

Galgeberget’s scenic jogging trail has great panoramic views of Laholm bay.

Discover the exciting architecture of the City Library, beautifully located on the banks of (and stretching out over) the Nissan River.

Halmstad Arena sports centre boasts sports halls, ice rinks, a concert hall, an exhibition hall and is home to HK Drott handball club and Halmstad BTK table tennis club.

Thanks to our location right in the middle of the Swedish west coast, you will find yourself in proximity to many other cities.

Halmstad City Airport

Halmstad University

VÄXJÖ 133 km
MÅLØ 136 km
GÖTEBORG 143 km
KÖPENHAMN 183 km
JÖNköPING 163 km
STOCKHOLM 492 km
UMEA 1 067 km
Be a part of our formula for success
Our ideal size is your perfect fit. That means you’re always close to everything on campus, to cafés, city centre and beaches, and to your professors. And it gives you many high quality degrees, in unique cutting-edge areas, to choose from as well as close interaction with businesses and organisations in our community.

Innovation and entrepreneurship
We believe in innovation, entrepreneurship and a multidisciplinary approach in our programmes. That means your degree programme is constantly developing based on the latest insights from other academic fields, research and business. And it means you’ll be well equipped to overcome challenges in your career and your life.

Interaction is in our DNA
We believe that close interaction off campus, with businesses and organisations in our community, creates the most fertile ground for innovation and business opportunities. Through internships, mentor companies, collaborative projects and more, 99% of our programmes include interaction with the business and public sectors.

Proximity to research and the job market
The convenient format of Halmstad University creates a proximity that is beneficial to you, the student. Nearly all of our researchers and professors actively participate in the teaching of courses, meaning that you have immediate access to the latest research
within your chosen field. The close collaboration between the University and the professional sector also gives you plenty of opportunities to test your theories in real life. In this way, the knowledge you gain is tied directly to the reality that you will be working in.

**Programmes with a good reputation**

There is a great deal of evidence that our teaching methods work. The technology industry has praised our programmes in both Innovation Engineering and Mechanical Engineering. With regard to the undergraduate programme in Information Science, we are the only university in Sweden that has been given the highest score in the independent review by the Swedish National Agency for Higher Education. At the same time we are proud to have one of the most sought-after nursing programmes in the country. Among other things. The list goes on.

99% of our programmes have some form of collaboration with the surrounding world.
Our research pushes the boundaries

Get close to exciting research that pushes the boundaries of knowledge on the most important issues of today and for the future. Our practical approach to research and close collaboration with businesses lets you test your ideas in reality during your studies.

Three key areas

We are leading the way in our three key areas of strength in academics and research:

1. Information Technology – our postgraduate degrees and research in Information Technology are world-class and are enabling progress in areas such as biomechanics, environment, energy, health and communication. Our embedded and intelligent systems, for example, are internationally recognised.

2. Innovation Sciences – we are the first and only university in Sweden to offer postgraduate degrees in Innovation Sciences. Innovation Sciences study how internal and external conditions affect innovation processes and how ideas succeed in the market. Our research focuses on areas such as entrepreneurship, innovations, social change, environment and leadership.

3. Health and Lifestyle – our postgraduate studies and research in Health and Lifestyle are multidisciplinary and focus on improving quality of life through healthcare, culture, education, sports and more.
innovation and entrepreneurship

Our University is actively striving to utilise the vast creativity of our students and researchers. Students who wish to develop new products, services or companies may try out their business ideas during their studies in the entrepreneurial environment at Science Park Halmstad. Researchers who wish to continue developing the results of their research in the form of a company are given the same opportunity. Converting research into concrete business or other uses in this manner is a natural and important part of our work.

A creative environment
Research is closely linked to innovation and our University has a long tradition of developing and, above all, utilising its knowledge of innovation, entrepreneurship and business development. Our ability to channel creativity has been evident for over 30 years. Many of our programmes have been designed to give the students experience in project management, to allow them to use their drive and think outside the box.

Relevant programmes
Our perspective of education is based on a desire to erase the line between university life and professional life. We also want it to be possible for people to use knowledge developed at Halmstad University. One important step in this direction is the exchange between public, private and volunteer activities, which creates practical experience for students and new inspiration for researchers.
When you begin your university career, you probably have an idea of what you would like to do afterwards. You have roughly three choices: aim for an employee career, start your own company or remain in the academic world to become a researcher. Whatever your ambitions and goals are, we will help you find your way. At Halmstad University you can participate in a range of activities throughout your studies that will prepare you for the next step in your life.
AIMING HIGHER

The entire Swedish higher education system is ranked number two in the world and number one in relation to GDP.

Top-ranked by SWEDISH companies

We consistently get top marks from the Confederation of Swedish Enterprise in their ranking of how well Swedish universities interact with Sweden’s business sector. And several studies show that our students are successful on the job market after their studies.

Science Park Halmstad

Our ambition is to unleash and channel the creativity of our students and researchers. Our on-campus business incubator at Science Park Halmstad, gives you the opportunity to develop and test your ideas for new products, services and businesses during your studies.

Global Sweden

Sweden is home to the largest number of multinationals per capita of any country in the world and is the birthplace of many world-conquering companies – including IKEA, TetraPak, Volvo, Ericsson, AstraZeneca and H&M.

Career Centre

Our Career Centre is your springboard to the job market. We offer you coaching, career planning, inspiration from career role models, tips on open positions and internships worldwide, a place to meet and network and practical advice to help you succeed in your job search.

HH CareerGate

Our unique job and career portal connects you to the companies who want to offer our students career opportunities, projects, internships and trainee positions, both in Sweden and abroad.

Read more at careergate.hh.se/en
what happens on campus?

The answer to the question above is simple: everything! The benefits of the convenient format of Halmstad University become particularly evident when you consider the layout of our campus. Within the university area you can find most of what you need close at hand, such as lecture halls, library, café, union buildings, pub and gym. As the campus is always full of life and movement, it is also the natural meeting place for the students of the University.

comfortable student life

As a Halmstad student you never have to run around town to get from one lecture to the next. Most of them take place on campus. This makes it easier to get in contact with students from other programmes, teachers and other University staff. Most of the buildings are new and the premises are consistently well-kept. When you need a change of scenery, the city centre is nearby. You can get from campus to the centre by bike or bus in a few minutes. It’s as simple as that.

student counselling
- a good place to start

Do you have any questions regarding your studies or career? The student counsellors offer their services to both current and prospective students of the University.

the Student Health and Welfare Centre

You are always welcome at the Student Health and Welfare Centre with any concerns, questions or problems relating to your health or studies. According to the magazine Studentliv, we have the most well-staffed Student Health and Welfare Centre in all of Sweden, So you can count on being well taken care of.

Find out more about student support at hh.se
**a pleasant study environment at the University Library**

The University Library, with its quiet study halls and group rooms, has a perfect study environment. It also holds all the course literature for the subjects taught at the University. In addition, there are newspapers, magazines and handbooks.

**ask at the Servicecenter!**

At the Servicecenter you will get answers to most of the things that concern the University and higher education studies. We help you with all your questions regarding educational programmes, testimonials, admissions, exams, study counselling and how to find your way around campus.

**health and sport for anyone**

The Centre for Health and Sport is home to everything that is sports and health-related. It holds a large sports hall, workout rooms and premises for teaching and research, including two laboratories with the latest equipment. There is also a gym, an aerobics room, a spinning room and a climbing wall – all close at hand for students on campus who like to exercise. Find out more at idrottscentrum.se.
Non Degree Programme – 60 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.

This 60 credits education provides theoretical and practical knowledge prior to professional activity as a network administrator or operations technician. 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 Linux. 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.

Halmstad University is a Cisco Academy in the global network Cisco Networking Academy, where networking Technology Company Cisco Systems offers training in network technology in cooperation with colleges and universities. There are currently about 10,000 academies in 165 countries. Halmstad University is an Academy Support Center (ASC) and Instructor Training Centre (ITC), which means that we provide support and instructor training for other Cisco Academies, in addition to training to students.

The education provides knowledge corresponding to Cisco Certified Network Associate (CCNA) and Cisco Certified Network Professional (CCNP).

Degree
Students will receive a certificate containing 60 credits.

Entry requirements
Basic eligibility for university studies. Mathematics B.

Network Security and Advanced Internetworking

This is a unique one semester course on Network Security and Advanced Internetworking. The education provides knowledge corresponding to Cisco Certified Network Associate (CCNA) Security and Cisco Certified Network Professional (CCNP).

This 30 credits education provides theoretical and practical knowledge prior to professional activity as a network technician. The education is occupationally oriented and can be taken as an independent course or supplementary to another education.

This course consists of network security and advanced network technology. A major part of the education is carried out as laboratory work. The course has several well-equipped laboratory rooms at its disposal.

Network Security and Advanced Internetworking 30 credits, is offered in collaboration with the Cisco Networking Academy. University staff involved in teaching are certified instructors. The course material is continuously updated with new technology and in addition to the theory are big parts of the courses laboratory. University has laboratory rooms with modern and advanced network equipment.

Content
Advanced Routing 7.5 credits, (Based on CCNP Route)
Network Security 7.5 credits, (Based on CCNA Security)
Multilayer Switching with Advanced Services 7.5 credits, (Based on CCNP Switch)
Advanced Troubleshooting of IP Networks, 7.5 credits (Based on CCNP TSOOT)

Entry requirements
Computer Networks I, 7.5 credits and Computer Networks II, 7.5 credits or Computer Networks 15 credits or Cisco CCNA certification.
One-Year Course Package – 60 Ects Credits

Computer Science and Engineering

This programme is open for students from partners to Halmstad University. The courses give valuable training in technical project work, technical writing in English and other such skills needed for engineering work in industry. It is also possible to take only the first 30 credits, during the autumn semester.

Content
Courses are chosen from the list below. The course selection can be adjusted depending on the background of the student, which may be either two or three years at university. It may also be possible to replace some of these courses with others, for example if a student has already passed courses similar to those on the list.

Autumn semester, 30 credits from this list:
- Algorithms, Data Structures and Problem Solving 7.5 credits
- Computer Networks 15 credits
- Databases and Database Design 7.5 credits
- Data Communication I, 7.5 credits
- Embedded Systems Programming 7.5 credits

Spring semester, 30 credits from this list:
- Advanced Object Oriented Programming 7.5 credits
- Advanced Routing 7.5 credits
- Advanced Troubleshooting of IP Networks 7.5 credits
- Multilayer Switching with Advanced Services 7.5 credits
- Network Security 7.5 credits
- Project in Computer Science and Engineering 15 credits
- Sensor Systems 7.5 credits

Degree
Students who take both semesters will receive a certificate containing 60 credits. Students who stay only the autumn semester will receive a certificate containing 30 credits.

Entry requirements
At least two years of university studies with a major in the area of Computer Science, Computer Engineering, Electrical Engineering, Electronic Engineering or equivalent. Mathematics corresponding to at least 15 credits. There are further requirements for some of the optional courses.

Electrical Engineering with Emphasis on Wireless System Design

Are you interested in wireless system design? If so this programme is 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 an engineer with a speciality in wireless technologies is as important as ever.

Content

Autumn semester, 30 credits from this list:
- Semiconductor Devices 7.5 credits
- Data Communication I, 7.5 credits
- Engineering Mathematics 7.5 credits
- Engineering Electromagnetics 7.5 credits
- Electronic Design and Implementation 7.5 credits

Spring semester, 30 credits from this list:
- Image analysis 7.5 credits
- Project – Electrical Engineering 15 credits
- Sensor Systems 7.5 credits
- Wireless Communication Systems 7.5 credits

Degree
Students will receive a certificate containing 60 credits.

Entry requirements
At least three years of university studies with a major in the area of Electrical Engineering or Electronic Engineering, or equivalent. Mathematics corresponding to at least 15 credits. Courses including analogue and digital electronics, computer engineering and control theory.
Master’s Programme  
– 60 Ects Credits

Electronic Design  
(One year)

At this one-year programme you can further develop your competence in electronics and create opportunities for a career in advanced electronics development.

The programme offers a solid background in semiconductor technology, component and circuit design.

In the programme you specialise in design and realisation of novel electronic components and sensors, based on nanotechnology and wireless techniques, for future embedded electronics and communication systems.

The thesis work is performed in cooperation with research groups at the university, or with industry. The research group in nanoscience is a partner of an internationally leading Swedish nanoscience research consortium, within which it is possible to perform for example advanced thesis work in a cleanroom environment.

The following courses are offered within the programme:
- Semiconductor Devices 7.5 credits
- Applied Electromagnetics for Electronics and Photonics 7.5 credits
- Optoelectronics and Photonics 7.5 credits
- High-Frequency Electronics for Embedded Systems 7.5 credits
- Nanoelectronics 7.5 credits
- Wireless Embedded Systems: Design and Communication 7.5 credits
- Thesis 15 credits

Degree
Master of Science (60 credits) with a major in Electrical Engineering.

Entry requirements
Bachelor of Science degree (or equivalent) in an engineering subject. Courses in electrical engineering of at least 90 Ects, including thesis. Courses in mathematics of at least 30 Ects or courses including calculus, linear algebra and transform methods.

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 at this programme you choose one of the following specialisations:
- Communication systems, focusing on communication in real-time computer systems.
- Embedded systems, dealing with new methods in computer architecture, particularly co-operating embedded systems.
- Knowledge discovery, focusing on artificial intelligence and image and data analysis.
- Mobile and autonomous systems, dealing with robotics and related issues.

Degree
Master of Science (120 credits) with a major in Computer Science and Engineering, with the specialisation: Embedded and Intelligent 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 Ects, including thesis. Courses in mathematics of at least 30 Ects or courses including calculus, linear algebra and transform methods.
If you are interested in developing skills in Mechanical Engineering, this programme has the necessary courses. After completing this programme you will be able to work with other professionals within the broad area of Mechanical Engineering, for example in innovative design and development of products and efficient production. The objective of this programme is to provide students and professionals with both theoretical and practical insights in Mechanical Engineering, including research and development work. This programme is focused on innovative product and production development and involves topics such as lightweight design and methods, techniques and models to improve the production and also different models for product design and development. In the programme we utilise powerful modern tools for modelling, simulation, web-collaboration etc. Case studies and methods are used in many courses. Contact and collaboration with industry are essential parts of the programme.

**Content**
- Product and Production Development 15 credits
- Production Development Towards Total Quality 7.5 credits
- Advanced Materials 7.5 credits
- Lightweight Design 7.5 credits
- Process and Production Improvement 7.5 credits
- Thesis 15 credits

Key content: Students can choose from a range of topics that interest them within the Masters program e.g. design and development of a machine, development (implementation) of a method, techniques within a production facility, implementation of a method, technique or model etc.

**Degree**
Degree of Master of Science in Mechanical Engineering (60 credits).

**Entry requirements**
Bachelor’s degree in Mechanical Engineering or the equivalent of 180 Ects credit.
Engineering and Technology

Master’s Programme
– 60 Ects Credits

Renewable Energy Systems
(One year)

The objective of the master’s programme is to provide an additional and in-depth training to the university’s basic training in the energy courses. The programme is useful both for students and professionals.

The courses include parts of advanced modern methods, such as computer-based simulation methods suitable for working with the development and use of new technologies for renewable energy but it is also as a start for further graduate studies in the energy sector. Energy is by nature a cross-border scientific field and there are links to our university’s other educational and research fields such as environmental engineering, mechanical engineering, electrical engineering and business.

The programme prepares for interesting advanced work, such as design and construction in energy companies and public administration. It also gives an introduction to further studies and research.

Example of courses which can be chosen:

- Wind power projects and commissioning 7.5 credits
- Calculation of electromagnetic fields 7.5 credits
- Electrical distribution systems 7.5 credits
- Production of electric energy from renewable energy 7.5 credits
- Exergy 7.5 credits
- Advanced course in biogas 7.5 credits
- Advanced course in district heating 7.5 credits
- Scientific methods in natural sciences 7.5 credits
- Master thesis (compulsory) 15 credits

Degree
Master of Science (60 credits) with a major in Energy Engineering.

Entry requirements
Bachelor’s degree in energy or equivalent.

Informatics

Master’s Programme
– 120 Ects Credits

Information Technology (Two year)

At this programme you can further develop your knowledge and ability in Information Technology. You also gain experience in project work for research and development and of acting in an international environment. Typical topics for the courses of the programme are Embedded systems programming, Artificial intelligence, Data mining and Intelligent vehicles.

The main goal of this programme is to develop both theoretical and practical competence for research, development and practical implementation in Computer Science or Computer Engineering. The basis of the programme is an industry-adapted perspective on information technology.

The programme is offered by:
- Halmstad University in Sweden
- Ostwestfalen-Lippe University of Applied Sciences in Germany
- Wroclaw Technical University in Poland

Students spend their first semester at the university they have been admitted by, and develop a common base for the rest of their studies at the programme. For semesters 2, 3 and 4 it is possible to transfer between universities and then gain a wider European experience. The transfer requires admission by the partner university, based on study results.

Degree
Master of Science (120 credits) with a major in Computer Science and Engineering.

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 Ects, including thesis. Courses in mathematics of at least 30 Ects or including calculus, linear algebra and transform methods.
Business and economics

Master’s Programme
– 60 Ects Credits

International Marketing
(One year)

Lower trade barriers in 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.

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 brands that are dependent on international marketing to succeed. At Halmstad, however, the focus is not only on large, well established companies but also on new, expanding international ventures. At Halmstad, the research in international marketing, which is the basis of this programme, deals for example with supply chain management, ethical values and principles and internationally growing businesses, so called “Born Globals”.

Degree
Master of Science in Business and Economics (60 credits) with a major in Business administration.

Entry requirements
Bachelor’s degree in Business studies equivalent to 180 Ects credits. Basic knowledge of marketing (at least one course of 7.5 Ects credits).

Business and economics

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.

The comprehensive aim and goal of the programme 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 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.

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 both independently and in groups, gather an analyse information and consider both academic and practical implications.

Degree
Master of Science in Business and Economics (60 credits) with a major in Business administration.

Entry requirements
Bachelor’s degree in Business studies equivalent to 180 Ects credits. The degree should include 90 Ects credits in Business administration.
Environment, Natural Science and Mathematics

Master’s Programme
– 60 Ects Credits

Exercise Biomedicine – Human Performance (One year)

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

During your studies you will investigate the fundamental role of physical activity and training on people in health and disease, from a natural science perspective. You will learn about the human body’s ability to perform during different circumstances – it can be a sedentary person improving quality of life through physical activity, or an elite athlete trying to improve the world record.

The programme extends over one year where the first semester includes two courses investigating limitations and potentials of human exercise performance, and two courses focusing on scientific methods, ethics, measurement and evaluation systems in the biomedical field including practical applications of methods commonly used in the field of exercise biomedicine.

During the second semester you can choose between a 30 or 15 credits thesis where you focus on a specific area within exercise biomedicine. If you opt for a 15 credits thesis you can either choose additional course work (15 credits) within the field, or complete a 15 credits professional placement/internship at a workplace related to exercise biomedicine and human performance.

After completion of the programme, students should have acquired extensive knowledge and understanding of physiological factors determining human performance, and acquired skills in methods and techniques for assessing, analysing and evaluating human performance from both a human health and an elite level perspective.

Degree
Master of Science (60 credits) with a major in Biomedicine.

Entry requirements
Bachelor of Science in the field of Exercise Biomedicine or Exercise Science with a minimum of 90 credits in related natural science subjects including at least 7.5 credits in biochemistry, 7.5 credits in human physiology and 7.5 credits in exercise physiology.

Environment, Natural Science and Mathematics

Master’s Programme
– 60 Ects Credits

Applied Environmental Science (One year)

Do you want to raise your skills and abilities and prepare to work on solutions for the challenging environmental issues of today and thereby participate in the process to make a better future for both humans and the environment?

The Master’s Programme in Applied Environmental Science focuses on natural conservation, water resources, environmental health and assessments as well as sustainable management of natural resources. The courses address future environmental challenges from different perspectives where ecological and environmental knowledge and green innovations are the tools towards a sustainable future. A central issue in this programme is how scientific results can be applied to solve environmental problems by forming management procedures combating the adverse effects of human disturbances such as climate change, chemical pollution and eutrophication. Thus, scientific knowledge and applications will lead to a better environment in the future, locally and globally.

During the year you will gain insight in environmental management projects with examples from all over the world. Courses include both theoretical and practical tasks and many subjects are thoroughly discussed during series of seminars including ongoing research projects lead by senior scientists within environmental science. You are expected to devote a large part of your time to work on case studies, individually or in small groups. Finally, you will carry out your Master’s thesis which will comprise 15 Ects credits. It may be performed within a research project at Halmstad University or can consist of an extensive literature study analysing in depth a subject or answering a question related to an environmental issue. This can be an environmental issue of specific importance e.g. in your home country.

Degree
Master of Science (60 credits) with a major in Environmental Science.

Entry requirements
Bachelor’s degree in Environmental Health, Environmental Science, Environmental Engineering, Biology with orientation towards nature conservation, Natural Sciences with orientation towards environmental issues, or the equivalent.
I hope that the reading of this magazine has inspired your curiosity and your desire to study and learn more about all kinds of things. Whatever your plans and dreams for the future, education is always a good investment.

If you choose to study with us, I promise that we will do everything we possibly can to welcome you – and ensure that you get the best possible education and an experience that you’ll look back on as one of the best of your life. Thanks to our talented researchers and professors, we can guarantee you an education of the highest quality and one that’s on the forefront of latest insights and developments. Our close cooperation with the businesses and organisations in our community helps us develop innovative, future-focused degree programmes and courses that meet the needs of the job market. And it puts you into close contact with businesses and organisations during your studies, giving you a competitive advantage. The experience you gain through internships and practical projects in collaboration with businesses and organisations will make your CV stand out in the crowd.

My advice to you is to always be curious and always have high expectations. Ask questions and search for answers – even in unconventional places. I believe that inquisitive, open minds that dare to welcome the new and unexpected, will win in the long run. What drives you? What do you want out of life?

We give you every opportunity to test your ideas and channel your creativity and innovation – in both traditionally packaged degree programmes and innovative customised degrees based on your unique interests.

So, whether you already know your path and have your sights focused on your dream job, or are still searching and discovering, I welcome you to Halmstad. With a degree from our university, you’ll have a competitive advantage in your career and be well equipped for whatever challenges you choose to overcome. Welcome, and remember – you are the architect of your own future.

Mikael Alexandersson
Vice-Chancellor, Halmstad University
facts and figures about the University

1983 year of foundation
500 000 tsek, turnover
10 000 students (approx.)
50 educational programmes

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