Sweden

halmstad university

This is where the **future** begins

HALMSTAD UNIVERSITY

An innovative education for a bright future

You are about to make a choice that is as exciting as it is important – what to study. Perhaps you know exactly what to choose or maybe you have no idea. What we know with certainty is that our society will change in the meantime. Just think of all the previously unimaginable things we do today – from instantly transferring money over the phone, to having a doctor's appointment through your mobile screen, or learning new things on YouTube. Who knows what we will be doing three, five or ten years from now and how it will affect your future occupation?

We have lecturers who dare to think outside the box, alternative study environments and high tech labs that help you gain new perspectives – regardless of what you choose to study. No one knows what the future will hold, but we can help you prepare for participating in and further advancing this development.

Studying in Sweden and at Halmstad University gives you a head start in the international job market. Here you will receive a modern education, characterised by creativity, gender equality, non-hierarchy and new teaching methods. In Sweden, people are generally very proficient in English, so there is no language barrier to hold you back. Sweden is ranked one of the most innovative countries in the world – and at Halmstad University we place extra emphasis on creating an innovative environment where you are allowed to grow.

This programme catalogue is issued by Halmstad University
On the following pages, you will get an insight into the academic world, our educational programmes and some practical facts about what it is like to study and live in Halmstad. Please contact us if you have any questions. Contact information is found on the back of the catalogue.

The information in this catalogue is subject to change.

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From dream to reality

What does your future look like? What do you plan to do after finishing your studies? At Halmstad University you get the chance to try your wildest ideas! How about developing smart cities and communities where people can live and thrive? Or perhaps finding new ways to improve people's health? No matter what your dreams are, we will help you getting there. Below you can find some of the areas where Halmstad University already is involved in creating a better future.

Welfare for a bright future

In order to create a better future we need to address challenges within health, lifestyle and welfare to find possible solutions which benefit the whole society.
▶ **Tip!** Master's Programme in Nordic Welfare, 60 credits

Autonomous vehicles

Our research is on top level when it comes to artificial intelligence and autonomous vehicles which communicate with each other in real time.
▶ **Tip!** Master's Programme in Embedded and Intelligent Systems, 120 credits

Smart cities and communities

One of Halmstad University's profile areas focusing on how to plan a society efficiently through mobility and smart energy solutions.
▶ **Tip!** Master's programme in Energy Smart Innovation in the Built Environment – 120 credits, Master's Programme in Mechanical Engineering – 60 credits, Master's Programme in Electronics Design – 60 credits

Health Innovation and Health Technology

To meet the demand for tomorrow's health care systems we need to look into new ways of working, new products and services where cross-disciplinary innovation is key.
▶ **Tip!** Excercise Biomedicine - Human Performance, 60 credits, Digital Service Innovation, 120 credits

Collaboration drives innovation

Innovation, entrepreneurship and collaboration is in our DNA and included in everything we do at Halmstad University. Close contact with industry is a driving force towards innovation.
▶ **Tip!** Master's Programme in Industrial Management and Innovation, 120 credits, Master's Programme in Strategic Entrepreneurship for International Growth – 120 credits

Information Technology

Information technology is present everywhere today, and it will become more important over the years. This is one of the reasons why this subject is key when it comes to research at Halmstad University.
▶ **Tip!** Master's Programme in Information Technology, 120 credits

Sustainable innovation

Much of our research and education evovles around social, economic and environmental sustainability.
▶ **Tip!** Applied Environmental Science – 60 credits, Master's Programme in Network Forensics – 60 credits

Why study in **Sweden**?

There are many reasons to choose Sweden as your study destination. Below we have listed a few to take into consideration.

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

• Creativity and critical thinking is key in the Swedish education system. Informal environments promote interaction, discussion and collaboration between students and professors.

• Sweden is one of the most gender-equal countries in the world. This is for example reflected in the Swedish Government which has an equal number of male and female ministers; paid parental leave of up to 16 months that can be shared between the parents and the fact that about 60 % of university undergraduates are women.

• International students who have completed their studies, can get a prolonged residence permit for 6 months to seek employment or examine the possibilities of starting their own business in 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, AstraZeneca, H&M and Spotify.

• Sweden is known for its social welfare system that has helped in making Sweden one of the safest, most well-educated countries with a standard of living ranked as one of the best in the world according to the UN Human Poverty Index.

Sweden in rankings

No. 1 – Innovation Union Scoreboard (European Commission)
No. 1 – Global Sustainable Competitiveness Index (World Economic Forum)
No. 1 – Best country for business (Forbes)
No. 2 – Global Innovation Index (INSEAD)
No. 5 – Global Gender Gap Index (World Economic Forum)

4 reasons to study in Halmstad

1. Close contact with industry is a driving force

Our courses and study programmes are among the best in the country when it comes to collaborating with industry. On several occasions, we have been ranked first in comparisons done by the Confederation of Swedish Enterprise. Your studies will be closely linked to the real practice of your future profession.

2. Short distances between people and places

As a student at a fairly small university you will get more attention. Compared to a large university, we can offer smaller classes and closer contact between students, teaching staff and researchers. You will also experience a close proximity on campus – everything is within reach, whether you want to study, cook or borrow books.

3. An innovative University with an entrepreneurial spirit

Successful research projects as well as entrepreneurs and companies have emerged from the creative environment offered at Halmstad University. Having studied at a university with such a good reputation can become a significant contribution to your future CV.

4. Great location close to metropolitan areas

The University is situated in a prime location, not only in terms of the city of Halmstad, but within the entire region. You can easily travel north to Gothenburg and Stockholm or south towards Malmö and Copenhagen, by train or car – perfect for inter-city connections or for having a weekend adventure.

Do you want to learn to think differently and solve the societal challenges of tomorrow?

We are convinced that the will and courage to change, cooperate and innovate are what drive development forward – for you as a student, for us as a university and for our entire society. There will be plenty of opportunities for you here, in collaboration with others, to challenge old truths and realise fantastic dreams by seeing beyond your own subject area. Does this sound too vague? Join us for our next Hackathon where we solve future societal challenges and you will see what we mean!

Innovation breeds success
It is no coincidence that Halmstad University has become so popular, that our research is internationally recognised and that several successful companies started here. The key is innovation. Here you will find a unique range of courses and programmes, the strength of which lies in the constant development to keep pace with the latest research and in close cooperation with the working world. It will open new doors and prepare you for your future profession.

Get a head start through collaboration
You are now at the very beginning of your career, and by learning early on to think in terms of collaboration, you will gain knowledge and advantages that will benefit you for the rest of your professional life. This practice is ingrained in the walls and is something that your study programme will encourage you to do, regardless of what you choose to study. Some examples of collaboration that benefit our students are the multidisciplinary projects, internships, mentoring programmes, visiting lectures, and degree and thesis projects carried out locally and globally.

The most important thing? The quality of your education!
However good the University, the city and leisure activities may be, your decision should primarily be based on the education itself. Studying is a major and important investment in you and our future society – therefore, it is important that the education is of high quality. Perhaps you're thinking "but how am I supposed to know?" In addition to all the high rankings and awards that the University and our study programmes and courses have received over the years, you can see all of the qualifications of our lecturers and professors in the digital staff directory on hh.se.

Hackathon – for solving important societal challenges
Innovation Week at Halmstad University features an event known as Hackathon. It consists of 48 hours of intense problemsolving with the goal of finding future ways of addressing our societal challenges. In the 2019 edition, students, researchers and entrepreneurs where given the task to develop creative ways of turning the city of Halmstad into a smart city.

Test, try, experiment - or just hang out in our high technology lab environments

Halmstad University has several top modern laboratories where education as well as research takes place in adjusted enivronments. The labs are used by students as well as teachers, researchers and our collaboration partners. In addition to being invaluable in connection to graduation projects and research tests, the labs are also great study areas whenever you want to work together and get inspired in a creative environment.

Health Lab

New knowledge of people, technology and society enables the creation of innovative working methods for communication, counselling, examination, treatment and training. Health Lab offers advanced opportunities to train the skills and develop the technology needed in future healthcare.

The lab houses, among other things, the Home of Health (Hälsans hem) – a complete two-bedroom apartment for simulation and practice of professional skills in healthcare. At the Health Lab, you will also find the Health Centre (Hälsocentralen) – a new type of healthcare clinic where researchers and students from the nursing or health education programmes, for example, can develop new forms of reception. The lab is also an environment where innovative solutions for everything from elite athletes to rehabilitation are developed.

Rydberg Core Laboratory

The Rydberg Core Laboratory (RCL) is an interdisciplinary laboratory at Halmstad University used by both students, teachers, researchers, companies and external organisations. Research conducted at the laboratory includes the natural sciences, associated applied sciences and maths.

RCL is made up of several smaller units, the Environmental Sciences Lab, Movement Lab, Energy Lab, Microscopy Lab, Photonics Lab, Mechanics Lab, Tribology Lab, and Fab Lab. Basic and applied research are carried out here, often in collaboration with partners from industry and wider society. All together, these environments are important resources for both students, teachers and researchers, as well as the University's collaboration partners. By using RCL, innovative experiments and projects can be conducted in a stimulating and modern environment.

Fab Lab

Digital production is fundamentally changing the industrial landscape. 3D technology is therefore of great significance in terms of regeneration opportunities for established companies, the formation of new companies and novel ways to produce products. Fab Lab Halmstad is part of a global network and an accredited affiliate of the Massachusetts Institute of Technology, MIT. The prototype workshop is a creative environment and resource for several of the University's engineering programmes and research in the field. The workshop has everything from 3D printers, 3D scanning equipment and laser cutters to computerised embroidery machines.

DLC

The Digital Laboratory Centre (DLC) is a creative, high-tech laboratory environment focusing on learning and culture. DLC is intended for researchers, teaching staff, students, organisations and companies, and is a regional meeting place at the forefront of digital society. At DLC, you will find the latest equipment in visualisation, simulation and design – technology that creates opportunities for new and visual ways of communicating complex or abstract information. There is also VR equipment, digital lab environments, a creativity space and a communications studio.

DLC is used in education, research and development projects, and serves as a 'makerspace' – a workshop-like environment that encourages sharing of knowledge, tools and ideas. The physical environment of DLC is also designed to promote creativity and offer flexible ways of meeting and communicating, as well as space for both digital and analogue creation.

Health Technology Centre

Health Technology Centre (HTC) Hallland is a space for health innovation. Companies and organisations within the healthcare sector work with our students and researchers to develop products and services for the future healthcare industry. We live in a fast-paced society where technology changes the way we work very quickly. This gives us great opportunities to create sustainable solutions for our future societies.

Students are an important part of the HTC testing environment. They are often part of different development projects and many of them choose to do their graduation projects within health innovation.

Electronics Centre in Halmstad

Do you see what we see?

The potential growth of the electronics field is huge. It is estimated that the development of the "Internet of things" means that there will be over 50 billion connected electronic units globally in 2020. Electronics Centre in Halmstad (ECH) is an innovation arena created by Halmstad University in collaboration with regional companies. The focus of ECH is integration of electronics in everyday products to make them 'smart', which provides substantial added value and competitive advantages, and represents an important innovation potential of the traditional Swedish manufacturing industry.

Applied research, innovation and knowledge building in the field of electronics integration is a prerequisite to become successful within the global ecosystem that is emerging around these new 'smart' products. Identified research subjects in focus at ECH are next generation electronic building practice, electromagnetic compatibility (EMC) and low power design. A multidisciplinary collaboration with for example Health Technology Centre (HTC) will enable interesting and potentially ground-breaking intellectual combinations leading to new research as well as to development of innovative education programmes.

Boost your career in Sweden

By taking part in the Student Experience and Employability Programme (SEEP) you will create a unique opportunity to prepare yourself for a future career in Sweden by learning the language, understanding the working culture, preparing an attractive CV and expanding your network with local employers and university partners. In addition to this, you will connect with like-minded international students which will further enhance your student experience at Halmstad University.

SEEP is an extracurricular programme and the sessions included will take place during late afternoons, evenings and occasionally on weekends. The programme is divided into several sessions dealing with specific topics in different periods throughout the academic year. At the end of the programme you will be fully equipped with tools to find your own internship in the direction of your future career.

Reasons to join SEEP

- Increase the prospect of finding a job in Sweden
- Learn Swedish to boost your chances and networking opportunities
- Understand the Swedish culture, traditions and norms at the workplace
- Build a network of young professionals as well as company representatives
- Get a toolbox to build your own capacity and successful career

HIGH FIVE STUDENT

Plant a seed and grow your own successful company

Do you have an idea but don't know how to proceed? Is the thought of starting your own business something that excites you? You're not alone! Whatever your idea may be, the staff at the University's High5 Student incubator can help you – for free! The incubator gives you the opportunity to develop your business idea during your time of study – perhaps by the time you graduate you will have become your own employer!

High5 Student offers coaching, office space in a pleasant environment, networks and a business start-up course. Everyone is welcome, regardless of whether your idea involves a product, service, concept or something else. Your idea does not necessarily need to be within your field of study – it may be a hobby of yours or an everyday problem that you want to solve.

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 researchers and professors are unique in that practically all of them actively teach. That gives you direct access to the latest developments in your area. And our practical approach to research and close collaboration with businesses let you test your ideas for real during your studies.

Three key areas of focus

Halmstad University conducts education and research in a wide range of areas, such as Engineering, Nursing, Humanities, Health, Social Sciences, Education, Natural Science and Economics. We have three key areas where we are particularly strong and where we conduct education at Master and Doctoral level:

1 Information Technology – our postgraduate degrees and research in Information Technology enable progress within many areas, such as biomechanics, traffic and transport, environment, energy, health and communication. Our research on Artificial Intelligence (AI) is something we are particularly known for, even internationally.

2 Innovation Science – we are the first and only university in Sweden to offer postgraduate degrees in this area. Innovation Science studies how internal and external conditions affect innovation processes and how ideas succeed in the market. The research focuses on, among other things, entrepreneurship, innovation, social changes, environment and leadership.

3 Health and Lifestyle – our postgraduate studies and research in Health and Lifestyle are multidisciplinary and focus on improving people's quality of life. This implies not only welfare and lifestyle, but also education, disability studies, psychology, sociology, sport, nursing and healthcare.

Read more about the research at Halmstad University:
www.hh.se/research

Research career?

Doctoral education

Halmstad University has the right to award doctorates in three different areas: Information Technology, Innovation Sciences and Health and Lifestyle. In other areas, doctoral education is conducted with support of strategic collaboration agreements with other colleges and universities. At Halmstad University, there are about 100 doctoral students in a variety of subjects/fields.

More about doctoral education at Halmstad University: **hh.se/doctoraleducation**

Doctoral student

As a doctoral student, the student is engaged in doctoral education with the aim of resulting in a Doctoral and/or Licentiate degree. The Licentiate degree is an independent exam or a recognised level leading to a doctoral degree, and normally requires two years of full-time studies. Obtaining a doctoral degree requires four years of full-time studies. For some, it may take longer to complete the education, since doctoral students sometimes also take part in other work at the university, such as teaching.

Doctoral positions are usually offered as paid positions by universities or external funding bodies. This means that if you are offered a position as Doctoral candidate, you will not pay fees and will receive a monthly salary.

More about doctoral studies in Sweden: **www.studera.nu/doctoralstudies**

Combine sports and education

Agnes Kramer is a student at Halmstad University and part of the Swedish National Team in para swimming. Agnes has been participating in two European Championships, one World Championship and will compete in Tokyo Paralympics 2020.

In what ways does it help you that Halmstad University is a National Sports University?
I'm getting support from my teachers. When I have international competitions and need to be away for a few days, I can get an adjusted schedule to be able to manage the examinations and other mandatory parts of the education. The fact that there is a gym at campus is also a big advantage. It gives me the opportunity to make my days more time efficient, since I can do my training in connection to my lectures and spend less time on transportation.

How do you manage two careers at the same time?
Sometimes it is quite demanding as I more or less work 200 % while studying and swimming professionally at the same time. During the most hectic competition periods I need to prioritise the swimming. Then it is great to know that I can focus on my sport and create a plan for my studies together with my teachers.

What are your plans for the future?
I hope to become a great teacher, even though my education will take longer for me to complete than someone who studies full-time. The most important thing for me is that I can continue with my sport.

When it comes to swimming, my goal is to win a medal in both a European Championships and a World Championship. If I manage to do so, I will be very proud to have done this while completing a degree at the same time.

National Sports University student
Halmstad University is a National Sports University together with Malmo University. This means that you as a student can combine your sports career with higher education studies, where we adjust your studies through flexible solutions. We can also help you if you want to change your study pace to fit with your sports ambitions during the education, regardless of what programme you choose to study. You apply through the regular admissions process, and then register to get specific support for professional athletes when admitted.

Halmstad is all about sports

Get focused with training
Even if you are not a professional athlete, Halmstad University offers a lot of opportunities for an active lifestyle, which will make it easier for you to focus on your studies. The municipality of Halmstad is known for its wide range of associations within sports like swimming, canoeing, track and field, soccer, floorball, ice-hockey and gymnastics. Not to forget the eight golf clubs offering 153 challenging holes. In addition to this, Halmstad offers great walking and running trails as well as several outdoor gyms surrounded by beautiful nature.

Support your favourite team
Do you like to watch good athletes during exciting games? The local teams in handball, table tennis, badminton, volleyball, ice-hockey, soccer and floorball are competing on top-level nationally and are worthy of all the support they can get. Not only do you get to experience a great game, you also get a student discount on the entrance fee. In other words, you've got nothing to lose.

Connecting education, research and collaboration

A creative environment

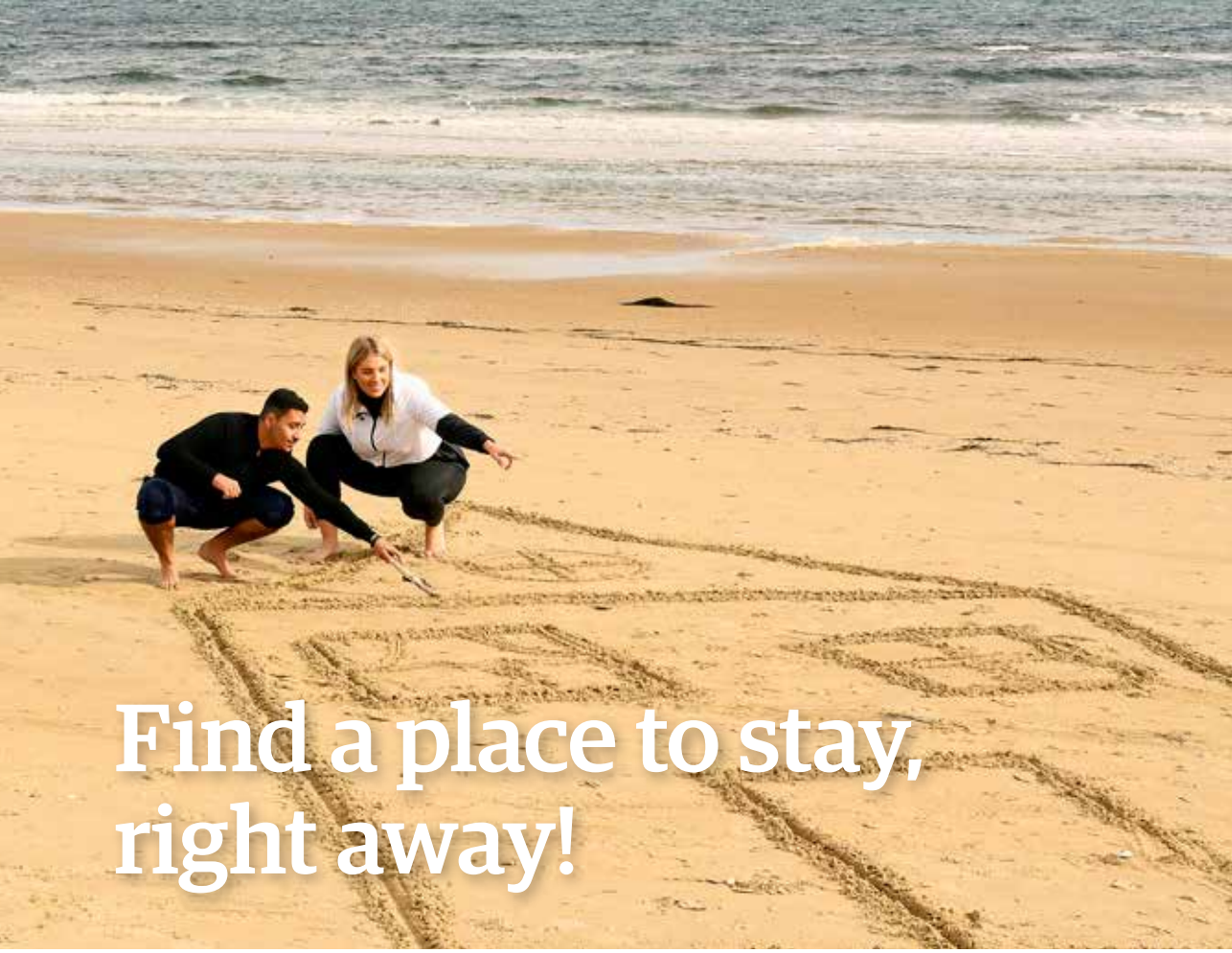
Halmstad University has a long tradition of developing and, above all, utilising its knowledge of innovation, entrepreneurship and business development. Our ability to channel creativity has been evident for over 30 years. Many of our programmes have been designed to give the students experience in project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

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 the student incubator. Researchers who wish to continue developing the results of their research in the form of an enterprise 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.

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 the knowledge developed at Halmstad University. One important step in this direction is the exchange between public, private and non-profit organisations, which creates practical experience for students and new inspiration for researchers.

You will find more information about our Master's Programmes at the end of this catalogue.



Find a place to stay, right away!

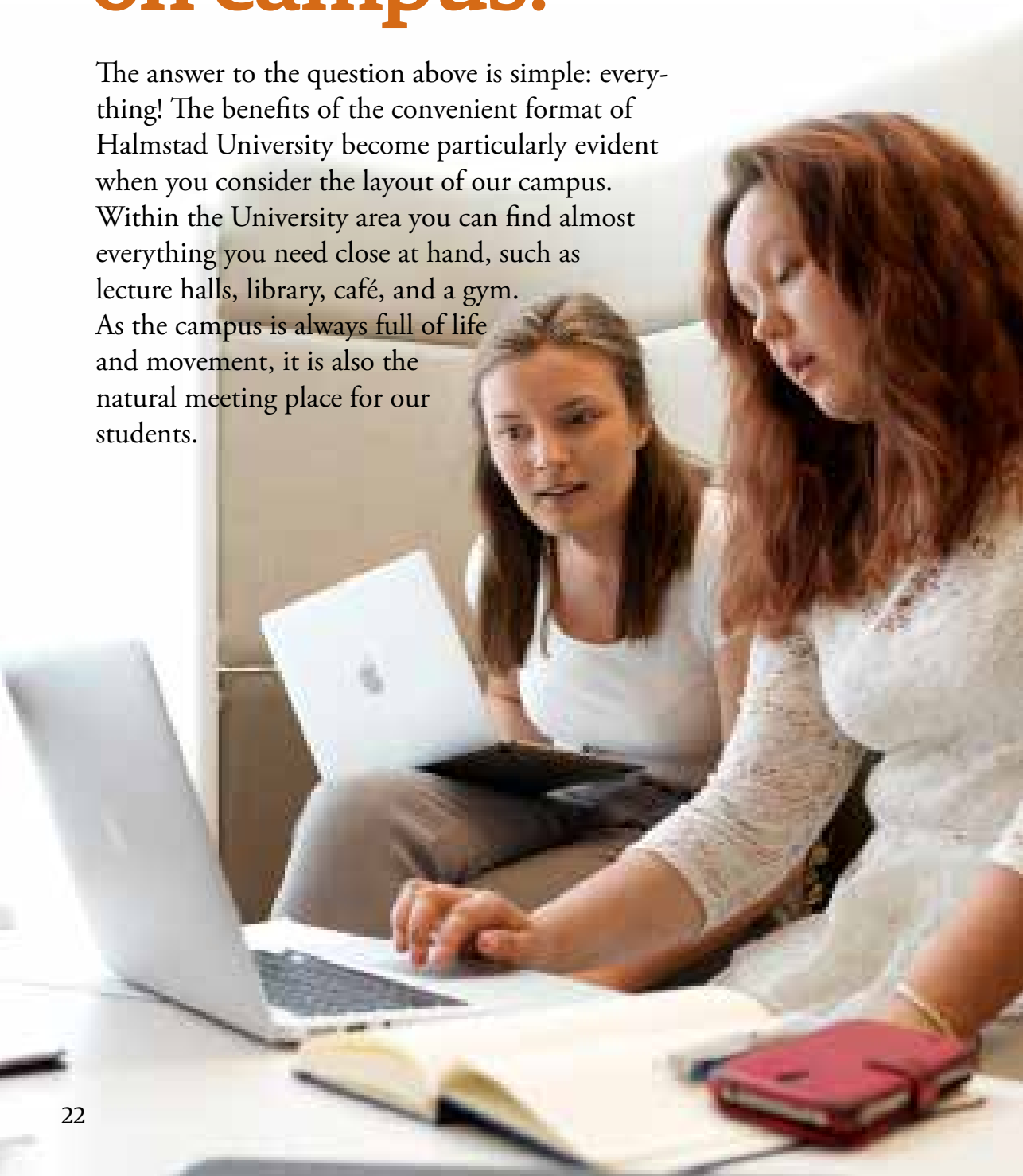
Once you are admitted to Halmstad University, you can register for accommodation via the Student Union. We strongly advise you to do so as soon as you can, to make sure you have a place to stay upon your arrival.

Halmstad offers many different housing options for students, including both single-occupacy and shared apartments. Most options are conveniently located in relation to campus and the city centre. Be aware that we can only help you with student accommodation. If you are bringing your family, it's your responsibility to find a suitable housing option.

For all information about accommodation, pick-up and how to register, please visit the Student Union's website: **bowebb.karen.hh.se**

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 almost everything you need close at hand, such as lecture halls, library, café, and a gym. As the campus is always full of life and movement, it is also the natural meeting place for our students.



The Student Healthcare Centre

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

Get active and make new friends!

Halmstad University and the Student Union organise a lot of events for the students. Do you want to explore Swedish nature? Join a trip to Lapland to see the Northern lights! More interested in playing board games in the local student pub? There is something for everyone! Check out the student calendar at our web page to find out more about what is going on.

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 future students of the University.

Health and sport for everyone

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. 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/english.

A pleasant study environment at the University Library

The University Library, with its quiet study halls and group rooms, is 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.

Comfortable student life

As a Halmstad student, you never have to run around town to go 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 go from campus to the centre by bike or bus in a few minutes. It's as simple as that.

Swedish fika?

On and around campus there are plenty of options when you need to replenish your energy supplies. In Sweden we call it "fika", you will learn about this very quickly when hanging out with locals. Both restaurants, cafés and grocery stores can be found in the area.

Discover Halmstad

Student accommodation

1. Hertig Knut
2. Gladan
3. Krusbäret
4. Gråstenen
5. Jakten

Shopping

7. **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.
8. **Flygstaden** – shopping area with around 40 stores offering everything from groceries to new cars.
9. **Hallarna** shopping mall has 60 shops under one roof where you'll find shoes, clothing, electronics, cosmetics, flowers, groceries and more.
10. **Stenalyckan** shopping centre has some 30 shops ranging from food and home furnishings to sporting goods and outdoor supplies.

Spare time activities

11. **Halmstad Arena Bad** – indoor water park, swimming pools, gym, fitness centre and more.
12. **Halmstad Arena and Sports Centre** boasts sports halls, ice rinks, a concert hall and exhibition hall.
13. **Örjans vall** – the football stadium is the home ground for Halmstad BK and IS Halmia football clubs.
14. **Galgberget's** scenic jogging trail has great panoramic views of Laholm bay.
15. **Halland Art Museum**
Halmstad's regional centre for visual culture. A meeting place and cultural park for all ages, beautifully located by the river Nissan.
16. **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.
17. **City Library** – discover the exciting architecture of the City Library, beautifully located on the banks of (and stretching out over) the Nissan River.

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

18 **Tylösand** is Sweden's finest sandy beach. It's five kilometres long and patrolled by lifeguards from Scandinavia's only lifeguard academy. Outdoor concerts at Hotel Tylösand welcome approximately 2,000 people every day throughout July and August.

19 **Brottet** is a 50-metre long saltwater outdoor pool, boasts a beautiful waterfront location.

20 **Östra stranden** (the eastern seashore in Halmstad). This sandy beach is located only a stone's throw away from the University. Here you will also find one of the two wheel chairaccessible piers in the municipality.

Getting to and from Halmstad

21 **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.

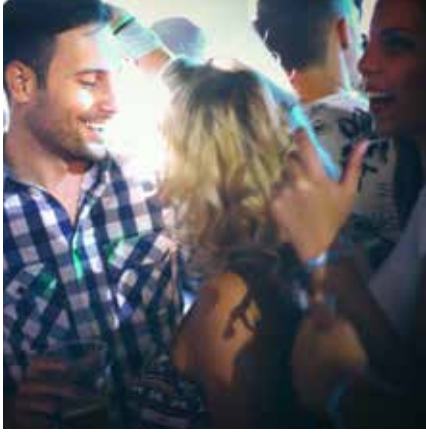
22 **Halmstad Central Station** – frequent trains and buses connect Halmstad to outlying areas in Halland, and get you directly to Gothenburg in 75 minutes, to Malmö and Copenhagen in less than 2 hours and to Stockholm in 4.5 hours. The train station is a 10-minute walk from the University.

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

Prince Bertil's trail starts at Halmstad Castle and follows the coast via Tylösand to Möllegård nature reserve.

Enjoy the good city life

Halmstad is a charming little city with plenty for you to discover in your free time. Take a stroll alongside the river Nissan, enjoy a picnic in one of many recreation parks or make a tour around the historic city centre.



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.

SHOPPING

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

HUNGRY?

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.

THE CASTLE

Take a stroll alongside river Nissan to admire the iconic Halmstad Castle, which was built in the 17th century.

NORRE PORT

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.

SANDY BEACHES

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

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 Mariette Hansson are about to do the same thing.

WHAT'S UP?

At destinationhalmstad.se/english you can find out what is going on around town, be it sports, music, theatre, exhibitions or fairs.

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.

MUSIC, THEATRE, FILM, POETRY AND ART

Halmstad offers a flourishing cultural scene. You will find active cultural societies depending on your interests, and the city's galleries, museums and libraries make sure that there is always something going on. At the city's night-time venues you can enjoy live music, stand-up comedy, poetry slams and other entertainment.

TAKE THE BIKE

With over 200 kilometers of bicycle paths around the entire municipality, Halmstad is one of the most bicycle-friendly cities in Sweden. It's an easy decision choosing to ride your bike, whether you are going somewhere within the city centre or beyond.

COURSE PACKAGE BASIC LEVEL – **60 ECTS CREDITS**

Network Design and Computer Management

About the course package

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

This academic package provides theoretical and practical knowledge prior to professional activity as a network administrator or an operations technician. The education is occupational oriented. During the studies you work in labs with the most modern communications equipment available from the Cisco Network Academy and the Palo Alto Networks Academy.

The programme encompasses two terms, corresponding to one year of fulltime studies. The course package is divided into two parts: 30 credits of computer network courses and 30 credits of basic courses in computer systems engineering, computer security, operating systems and programming for the Internet.

Security is a very important aspect in all types of computer networks. Therefore, the education contains several elements that teach how to work structured with computer and network protection. This category includes everything from vulnerability assessment to evaluation of methods and tools used to protect computer networks.

Programme content

Computer Networks 15 credits (Based on CCNA Routing and Switching), Advanced Routing 7.5 credits (Based on CCNP Route), Computer Systems Administration 7.5 credits, Linux Administration 7.5 credits, Network Security 7.5 credits (Based on CCNA Security), Converged Optimized Networks 15 credits (Based on CCNP Switch och CCNP TSHOOT)

Degree

Students will receive a certificate containing 60 credits.

Entry requirements

Basic eligibility for university studies.

Mathematics B.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Learn more about the education

» **hh.se/education**

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 total 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.

COURSE PACKAGE BASIC LEVEL – **30 ECTS CREDITS**

Network Security and Advanced Internetworking

About the course package

This is a unique one semester course package on the 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 is 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.

Course Package content

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

Degree

Students will receive a certificate containing 30 credits.

Entry requirements

Basic eligibility for university studies.

Computer Networks I 7.5 credits and Computer Networks II 7.5 credits or Computer Networks 15 credits or Cisco CCNA certification. Selection is made on the basis of the required educational background.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Learn more about the education

» **hh.se/education**

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COURSE PACKAGE ADVANCED LEVEL – **60 ECTS CREDITS**

Research and Applied Work in Sport and Exercise Psychology

About the programme

This course package combines practical and theoretical studies within the sports psychology field. During the first semester, you will work with athletes in their relevant context, learning how to work with intervention strategies in sports psychology. The second semester focuses on thesis work within your own chosen area of sport and exercise psychology.

Courses and competencies

The courses are based on knowledge of theory-driven practice, ethically correct norms and basic techniques in communication, intervention, and methodology. The course includes applied course elements, seminars and workshops. During the course you will take part of the newest research within sport and exercise psychology while other parts consist of guest lecturers from the sports area. The course also aims to prepare for a future professional career in the field by preparing students to be able to initiate, implement and evaluate a counseling situation.

Programme content

Semester 1
To Work as an Applied Sport Psychologist, Group and Individuals, 30 credits

Semester 2
Psychology – Research Method and Thesis, 30 credits

Degree

After completing the courses you have the opportunity to apply for a Master of Science Degree (60 credits)in Psychology in Sport and Exercise.

Entry requirements

Bachelor of Science degree (equivalent of 180 Swedish credit points / ECTS credits at an accredited university) in Psychology.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper Secondary School).

Further studies

After completing the course package and obtaining a master's degree you have the right to apply for the doctural education in Health and Lifestyle at Halmstad University.

Career

With a master's degree in social sciences, you have obtained skills that are valuable on the labour market where working with people is the main focus. You can work with training and development of strategies for sports, health, exercise and wellness for individuals in the entire social spectrum, as well as with individual treatment linked to people's health in the private industry as well as the public sector. You can continue to work as a sports consultant, with development within associations or in health and exercise organisations.

Learn more about the education

» **hh.se/education**

COURSE PACKAGE BASIC LEVEL – **30 ECTS CREDITS**

Media, Communication and Lifestyle

About the course package
Media use and media content have become intertwined in lifestyles in many parts of the world and the concept of digitalisation is one of the major challenges for modern societies. This course offers the studies of media's role in today's society with a special focus on lifestyles and welfare. The course consists of four modules with perspectives on lifestyles, risk communication and urban media life. These issues are studied from both a theoretical and a practical perspective.

Programme content
The mediated Lifestyle, 7.5 credits, Media, Risk and Uncertainty 7.5 credits, Media and Urban Town 7.5 credits, and Project Work 7.5 credits.

Degree
Students will receive a certificate containing 30 credits.

Entry requirements

General entry requirements.

Applicants must have written and verbal command of the English language equivalent to English course 6 in Swedish Upper-Secondary School.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Learn more about the education
» **hh.se/education**

MASTER'S PROGRAMME – **120 ECTS CREDITS**

Information Technology

About the programme

As an information technologist, you can help solve many of society's future challenges in, for example, autonomous vehicles and health care. The master's programme develops your knowledge of information technology with a special focus on machine learning and computer technology.

Courses and competencies

In this programme you will develop theoretical and practical skills for research, development and implementation of computer technology. The basis of the programme is a computer technology perspective on information technology in close collaboration with industry.

You obtain in-depth knowledge of computer science for the subject areas machine learning, image analysis, parallel computer programming, data mining and digital service innovation. At the same time, you gain experience of project work linked to research and service development, all in an international environment.

Programme content

Semester 1
Articial Intelligence 7.5 credits, Perspectives on data science 7.5 credits, Algorithms, Data Structures and Problem Solving 7.5 credits, Engineering Mathematics 7.5 credits

Semester 2
Edge Computing and Internet of Things 7.5 credits, Image Analysis 7.5 credits, Learning Systems 7.5 credits, Big Data Parallel Programming 7.5 credits

Semester 3
Data Mining 7.5 credits, Digital Service Innovation 7.5 credits, Deep Learning 7.5 credits
Thesis 7.5/30 credits

Semester 4
Thesis 22.5/30 credits (pre-studies during semester 3)

Elective courses:
Computer Vision in 3D 7.5 credits Articial Intelligence for Health 7.5 credits, Intelligent Vehicles 7.5 credits

Degree

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

Entry requirements

Bachelor of Science degree (equivalent of 180 Swedish credit points / ECTS credits at an accredited university) in an engineering subject or in computer science.

Courses in computer science, computer engineering or electrical engineering of at least 90 ECTS credits, including thesis. Courses in mathematics of at least 30 ECTS credits or courses including calculus, linear algebra and transform methods.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies, for example in the University's own third cycle courses.

Career

The Master's programme in Information Technology prepares you for an advanced development role within the industry.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **120 ECTS CREDITS**

Embedded and Intelligent Systems

About the programme

As a specialist in embedded and intelligent systems, you have specialist technical expertise, research experience and good career opportunities after graduation. The master's programme provides both practical and theoretical knowledge of embedded and intelligent systems, an area that Halmstad University has successfully taught and researched for many years.

Courses and competencies

In this programme, you build up theoretical and practical skills for research, development and the practical design of embedded intelligent systems. You also obtain in-depth knowledge of computer architecture, communications systems, real-time computer systems, signal analysis, sensor systems, learning systems, data mining and control technology.

Programme content

Semester 1
Compulsory courses:
Algorithms, Data Structures and Problem Solving 7.5 credits, Artificial Intelligence 7.5 credits, Networks for Embedded Systems 7.5 credits, Engineering Mathematics 7.5 credits
Elective course:
Real-time Embedded System 7.5 credits

Semester 2
Compulsory courses:
Learning Systems 7.5 credits, Intelligent Vehicles 7.5 credits, Image Analysis 7.5 credits
Elective courses:
Robotics 7.5 credits
Embedded Parallel Computing 7.5 credits

Semester 3
Compulsory courses:
Design of Embedded and Intelligent Systems 15 credits, Thesis 7.5/30 credits
Elective courses:
Real-Time Embedded Systems 7.5 credits, Testning and Verification of Embedded Systems 7.5 credits, Data Mining 7.5 credits

Semester 4
Compulsory courses:
Thesis 22.5/30 credits (pre-studies during semester 3)
Elective courses:
Computer Vision in 3D 7.5 credits, Dependable and Real-time Data Communication 7.5 credits

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 (equivalent of 180 Swedish credit points / ECTS credits at an accredited university) in an engineering subject or in computer science.

Courses in computer science, computer engineering or electrical engineering of at least 90 ECTS credits, including thesis. Courses in mathematics of at least 30 ECTS credits or courses including calculus, linear algebra and transform methods.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies, for example in the University's own third cycle courses.

Career

This programme prepares you for advanced development work in industry. This may involve developing advanced computer technology applications in areas such as health technology, energy and environmental technology, transport and logistics, robotics and telecommunications. Computer technology has an important role in the media and entertainment industry as well. Another possible area of work is the security that allows people to feel confident when using products and services based on computer technology.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **60 ECTS CREDITS**

Mechanical Engineering

About the programme
As an engineer specialising in mechanical engineering, you work on design and product and production development. The Master's programme in Mechanical Engineering focuses on technical product and production development.

Courses and competencies
The Master's programme in Mechanical Engineering offers you specialised study in the main field of mechanical engineering, in the form of well-interlinked courses with a clear link to modern engineering work. You can take courses in, among other things, lightweight construction, total quality and materials and manufacturing techniques. The programme consists of a basic block of 45 credits and a degree project of 15 credits.

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 in Thesis:
Students can choose from a range of topics that interest them within the Masters Programme 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
Master of Science (60 credits) with a major in Mechanical Engineering.

Entry requirements
Bachelor of Science degree in Mechanical Engineering (equivalent of 180 Swedish credit points / ECTS credits at an accredited university).

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies
After the programme, you are qualified to apply for doctoral and PhD studies.

Career
The Master's programme in Mechanical Engineering gives you wide opportunities in the labour market. With increased insight into both product development and production conditions, you are well prepared to manage projects. For example, you can work with product and production development in the engineering and automotive industries.

Learn more about the education
» **hh.se/education**

MASTER'S PROGRAMME – **120 ECTS CREDITS**

Industrial Management and Innovation

About the programme

As a technician specialising in industrial organisation and innovation, you can organise and support the development of future technology. You can also develop processes for company and business development, as well as industrial innovations. The master's programme teaches you how to handle technology, management and finance linked to innovation work.

Courses and competencies

This programme is built on three knowledge blocks, with different perspectives on technological development and innovation management. During the first semester, you develop an overall understanding of consumption and financial growth, competition, industrial transformation and technological change at the overall level. The introductory courses give you knowledge in the main field of industrial organisation.

The second semester focuses on business technology and innovation strategies. The courses link a company's strategic decisions to events in the contexts in which the company operates, such as product lifecycles and their significance for how the company manages its product portfolio. After the first year you can conclude the programme with a master's degree. If you instead move on to the third semester, you will be involved in the entire process from idea to commercialisation. You also explore methods and tools to work on and manage innovation activities.

Programme content

Year 1

Strategic Planning 7.5 credits, Industrial Transformation and Technical Change 7.5 credits, Management of Technology, 7.5 credits, Product Development and Innovation Management, 7.5 credits, Management of Innovation Projects 7.5 credits, Research Design and Methods 7.5 credits, Visualizing and Prototyping 7.5 credits, Business Model Innovation 7.5 credits

Year 2

Concurrent Product and Business Development 7.5 credits, Industrial Marketing 7.5 credits, Thesis in Industrial Management 30 credits

Elective courses year 2

Innovation Finance 7.5 credits, Concurrent Product and Business Development II 7.5 credits, Technology Management and Innovation in China 7.5 credits*,Doing Business in China 7.5 credits

Degree

Master of Science (120 credits) with a major in Industrial Management.

Entry requirements

Bachelor of Science degree in engineering (equivalent of 180 Swedish credit points / ECTS credits at an accredited university), and Industrial Management 15 credits on first level.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies.

Career

The Master's programme in Industrial Management and Innovation prepares you to work with business development within the industry or participate in qualified research projects.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **120 ECTS CREDITS**

Energy Smart Innovation in the Built Environment

About the programme

The two-year Master's programme in Energy Smart Innovation in the Built Environment gives you a better understanding of renewable energy in the built environment and you do practical work to apply solutions to one of the major issues of our time: how we build an urban society where energy consumption and energy supply are sustainable in the long term.

Courses and competencies

The programme focuses on the technology of smart energy solutions in the built environment, as well as on principles for the successful implementation of these. In the first semester, you take joint courses in the programme's main field of study. In this way, students acquire a common knowledge base on construction and energy technology. This is followed by courses aimed at deeper technical knowledge, as well as knowledge of innovation processes linked to the implementation of energy solutions in the built environment.

Programme content

Year 1

Energy Efficiency and Moisture Control in Buildings 7.5 credits, Scientific Methods and Academic Writing 7.5 credits, Construction Innovation and Change Management 7.5 credits, Renewable Energy Systems 7.5 credits, Management of Innovation Projects 7.5 credits, Heating, Cooling and Indoor Climate 7.5 credits, Business Model Innovation 7.5 credits, Renewable Electricity and Storage 7.5 credits

Year 2

Finance in Construction and Energy Systems, 7.5 credits, Exergy Analysis in the Built Environment 7.5 credits, Smart Technology for Sustainability 7.5 credits, Built Environment and Energy Distribution 7.5 credits, Master's Thesis in Engineering Construction, focus on renewable energy Advanced Course in District Heating 7.5 credits, Scientific Methods in Natural Sciences 7.5 credits, Master Thesis 15 credits

Degree

Master of Science (120 credits) with a major in Construction Engineering with specialisation in Renewable Energy.

Entry requirements

Bachelor of Science degree in Building Technology, Energy Engineering, Mechanical Engineering (equivalent of 180 Swedish credit points / ECTS credits at an accredited university). Courses of 7.5 credits within the field of Building Technology, 7.5 credits Project Management, 7.5 credits, Engineering Mechanics and 7.5 credits Applied Physics or the equivalent, and 22.5 credits Mathematics.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies, for example in the University's own third cycle courses.

Career

The Master's Programme in Energy Smart Innovation in the Built Environment enables you to work with sustainable development within construction engineering.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **60 ECTS CREDITS**

Electronics Design

About the programme

This master's programme develops your skills so that you can work with advanced electronics development. As an electronics engineer, you are very much sought after in the labour market, because of the explosive development of intelligent electronics. This means everything from driverless vehicles and smart homes to health technology and energy systems in the smart cities of the future.

Courses and competencies

This programme focuses on research and development in embedded systems and hardware for the Internet of Things of the future. You assimilate the theoretical and practical skills required to actively participate in the development of the future of embedded electronics and communications systems. This means that the programme gives you real competence in semiconductor technology as well as component and circuit design. You specialise in the design and realisation of new electronic components and sensors, based on nanotechnology and wireless technology for the embedded electronics and communications systems of the future.

Programme content

Semester 1

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

Semester 2

Nanoelectronics 7.5 credits, Wireless Embedded Systems 7.5 credits, Thesis 15 credits

Degree

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

Entry requirements

Bachelor of Science degree (equivalent of 180 Swedish credit points / ECTS credits at an accredited university). Courses in electrical engineering of at least 90 higher education credits, including electronics, semiconductor components and thesis. Courses in mathematics of at least 30 credits or courses 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 have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies.

Career

The Master's programme in Electronics Design prepares you to work on advanced electronics development. This could mean, for example, working with future products for the Internet of Things or in robotics and autonomous systems, with applications such as artificial intelligence and self-driving vehicles.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **60 ECTS CREDITS**

Network Forensics

About the programme

As a specialist in IT security and digital forensics, you have an expertise that matches the growing use of the internet and digital communications systems, especially in the form of the Internet of Things. The master's programme, with its unique interdisciplinary content, reflects our digitalised society's need for network forensic competence.

Courses and competencies

The Master's programme in Network Forensics has a multidisciplinary connection to technology and social sciences. During the programme, you build theoretical and practical skills for work in IT forensic network analysis. You also develop in-depth knowledge of data mining, cybersecurity and investigation into cybercrime.

The first semester deals with digital forensics and the scientific methodology used in the field. During the second semester, you develop in-depth knowledge of the role of forensics in sustainable development, with social science, technical and ethical perspectives. At the same time, you perform a research, innovation or development oriented degree project in digital forensics.

Programme content

Semester 1
Advanced Computer Networks and Security 15 credits, Applied Data Mining 7.5 credits, Introduction to Digital Forensics 7.5 credits

Semester 2
Network Forensics and Cybercrime 15 credits, Degree Project in Digital Forensics 15 credits

Degree

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

Entry requirements

Bachelor of Science degree (equivalent of 180 Swedish credit points / ECTS credits at an accredited university) in an engineering subject or in computer science. Courses in computer science, computer engineering or digital forensics of at least 90 credits including Computer Networks 15 credits and Programming 7.5 credits. Courses in mathematics of at least 15 credits or courses including calculus, linear algebra and transform methods.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies, for example in the University's own third cycle courses.

Career

The Master's programme in Network Forensics prepares you to work independently on criminal forensic investigations of computers or as a computer administrator specialising in computer networks and IT security.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **120 ECTS CREDITS**

Strategic Entrepreneurship for International Growth

About the programme

As an economist, you can deepen and broaden your knowledge of company strategic development from idea to establishment and growth as this programme trains you to identify, evaluate and benefit from international expansion opportunities.

Courses and competencies

This programme deepens and broadens your knowledge of strategy, marketing, entrepreneurship, innovation, internationalisation, growth and sustainable development etc. You also train your ability to solve the kind of problems that may arise during a company's development.

During the first year of the programme, you choose your focus by deepening your knowledge in either international marketing or strategic management. In the second year, you further deepen your knowledge of strategy and entrepreneurship, two key concepts in a modern company. You will develop your analytical and strategic thinking through both theoretical understanding and practical application.

Programme content

Year 1:
Strategic Entrepreneurship 7.5 credits, International Growth and Business Development 7.5 credits Research, Design and Methods 7.5 credits, Management of Innovation Projects 7.5 credits, International Marketing Communication 7.5 credits, Strategic Renewal and Change 7.5 credits

Elective courses in year 1:
Strategic Management 7.5 credits, Leadership Development 7.5 credits, International Marketing Strategies 7.5 credits, Frontiers of Research in International Marketing 7.5 credits

Year 2:
Frontiers of Research in International Entrepreneurship and Growth 7.5 credits, Industrial Marketing 7.5 credits, Independent Project in Business Administration 30 credits

Elective courses in year 2:
Classics in Strategic Entrepreneurship for International Growth 7.5 credits, Advanced Methods and Publishing in Business Administration 7.5 credits, Doing Business in China 7.5 credits*, Technology and Innovation Management in China 7.5 credits

Degree

Master of Science in Business and Economics (120 credits) with a major in Business Administration or Master of Science in Business and Economics (60 credits) with a major in Business Administration.

Entry requirements

Bachelor of Science degree (equivalent of 180 Swedish credit points / ECTS credits at an accredited university) in Business Administration.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies, for example in the University's own third cycle courses.

Career

The Master's programme in Strategic Entrepreneurship for International Growth prepares you for a future as a business developer, company manager, marketing manager or similar.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **120 ECTS CREDITS**

Digital Service Innovation

About the programme

Digitalisation is fundamentally transforming society for individuals and organisations alike. Innovative and skilled service designers in the IT sector play an important role in meeting the challenges of the future. The Master's programme in Digital Service Innovation increases your knowledge of digital services, sustainability and digital business models and makes you attractive in the labour market.

Courses and competencies

This programme is a design-oriented social sciences IT programme in which you study how digital services can be designed to solve problems and create values for different stakeholders in society.

The studies are based on research and literature in informatics, service science and innovation science. You primarily study informatics at an advanced level but the programme also has multi-disciplinary elements that broaden your competence.

Programme Content

Year 1

Services in Digital Society 15 credits, Academic Communication 7.5 credits, Emergent Themes in Digital Service Innovation Research 7.5 credits, Design Research Methods 15 credits, Research Placement 15 credits

Year 2

Design Studio Digital Service Innovation 15 credits, Intelligent Services 7.5 credits, Ethics and Sustainability in Digital Service Innovation 7.5 credits, Master Thesis Project in Informatics 30 credits

Degree

Master of Science (120 credits) with a major in Informatics.

Entry requirements

Bachelor of Science degree (equivalent of 180 Swedish credit points / ECTS credits at an accredited university), including an independent academic degree thesis work of at least 15 credits within the field of Informatics, Information Systems, Interaction Design, Software Engineering, Information Technology, Service Science, Innovation Management, Business Administration or equivalent.

15 credits in courses within the field of Information Technology or Informatics.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies, for example in the University's own third cycle courses.

Career

This education prepares you to work on the design of smart sustainable digital services, qualified tasks in the IT sector and investigative development work. Perhaps you will choose a career as a service designer in Sweden or abroad, or perhaps you prefer a research career. Business leaders, heads of public authorities and politicians are looking for people who understand digitalisation, services and the possibilities and limitations of digital technology. Smart and sustainable digital services can make a big difference for individuals and organisations. They can, for example, facilitate contact between people and authorities, give us better health care, increase patient safety, reduce mental ill-health, make our homes more intelligent, contribute to safer vehicles and more efficient public transport and help to reduce environmental impact.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **60 ECTS CREDITS**

Applied Environmental Science

About the programme

As an environmental scientist, you can help solve humanity's major environmental challenges in the transition to a more sustainable future. The Master's programme in Applied Environmental Science prepares you to develop the useful interdisciplinary solutions needed to maintain nature's ecosystem services while society develops.

Courses and competencies

This unique programme focuses on ecology, nature conservation, sustainable water resource management, ecosystem services and environmental risk assessment. An important part of the programme is how research results can be translated into practice and become green innovations and measures that counteract the effects of climate change and contribute to a sustainable future in both a local and a global perspective.

You gain valuable insights into environmental work that is being conducted all over the world. You can choose to focus on practical environmental work or research and you have the opportunity to put your skills to the test through practical tasks. In the concluding degree project, you can, among other things, get involved in research projects or work out a theoretical solution to a concrete environmental problem.

Programme content

Semester 1
Ecology and Water: Applications and Innovations 7.5 credits, Scientic Methods oriented towards Natural Sciences 7.5 credits, Environment and Health: Risk Assessment and Management 7.5 credits, Research Methods in Ecology and Environmental Science 7.5 credits

Semester 2
Master's Thesis within Environmental Science 15 credits, Environmental Challenges and Green Innovation 7.5 credits, Sustainable Water Resources Management 7.5 credits

Degree

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

Entry requirements

Bachelor of Science degree (equivalent of 180 Swedish credit points / ECTS credits at an accredited university) in Environmental Health, Environmental Science, Environmental Engineering, Biology with orientation towards nature conservation, Natural Sciences with orientation towards environmental issues or the equivalent.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies, for example in the University's own third cycle courses.

Career

The Master's programme in Applied Environmental Science gives you the opportunity to work with ecological and environmental issues as well as environmental and health protection in county councils, municipalities and other organisations. You can profile yourself so that your skills are particularly attractive to consultancy firms in the environmental protection sector.

The programme prepares you, among other things, to work with environmental development, or as an environmental coordinator at a company or a public authority.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **60 ECTS CREDITS**

Exercise Biomedicine – Human Performance

About the programme

As a biomedical student specialising in physical training and performance, you study physical activity from a natural sciences perspective. You examine the role of exercise for human health and how the human body can adapt to different physiological challenges and environments. The Master's programme prepares you to prevent and treat the health problems of the future.

Courses and competencies

This programme gives you in-depth knowledge and understanding of the human body's performance, its possibilities and limitations.During the first semester you focus on the function of the human body in health and ill-health from an exercise physiology perspective, taking into account both limitations and possibilities. You also study scientific methods as well as measurement and evaluation methods in the biomedical field. In the second semester of the programme, you write a master's thesis in the subject of biomedicine with an exercise physiology orientation. You can also take one or more optional courses at advanced level in the main field, or do a project in biomedicine specialising in physical training and performance.

Programme content

Semester 1

Scientific Methods Oriented Towards Natural Sciences 7.5 credits, Human Performance – Limitations and Improving I 7.5 credits, Assessing Human Performance 7.5 credits, Human Performance – Limitations and Improving II 7.5 credits, or Exercise Physiology 7.5 credits, depending on your educational background (Exercise Science or Biomedicine)

Semester 2

Thesis/Degree Project 30 credits, Thesis/Degree Project 15 credits and Exercise-related Professional Placement 15 credits

Degree

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

Entry requirements

Bachelor of Science degree (equivalent of 180 Swedish credit points / ECTS credits at an accredited university) 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 Cell Biology, 7.5 credits in Human Physiology and 7.5 credits in Exercise Physiology.

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper-Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies.

Career

After the Master's programme in Biomedicine, specialising in human performance, you can work in private biomedical laboratories and test laboratories or in activities with products and services that are used to prevent or treat health problems. For example, you can work as a health counsellor, fitness trainer, test manager for athletes, wellness instructor or product specialist in medical or training related industries.

Another possible career path is to take a complementary one-year biomedical analyst programme with professional status qualification to work in hospitals.

Learn more about the education

» **hh.se/education**

MASTER'S PROGRAMME – **60 ECTS CREDITS**

Nordic Welfare

About the programme

This programme gives you in-depth knowledge in how societal issues are linked to welfare, health and lifestyle. With these skills you can play an important role in tackling future welfare issues. The Master's programme in Nordic Welfare prepares you to participate in research and development work on a global level.

Courses and competencies

The Master's programme in Nordic Welfare is an interdisciplinary programme with health and lifestyle as the main area for the examination. With a Nordic perspective, you study questions about wellbeing, participation, welfare fundamentals and significance, societal challenges such as digitalisation and globalisation, cultural aspects, diversity and equality.

Programme content

Semester 1

Welfare Models in the Nordic Region 7.5 credits, Health, Lifestyle and Welfare in a Nordic perspective 7.5 credits, New Challenges for the Welfare Society 7.5 credits, Social Sustainability in the Nordic Region 7.5 credits

Semester 2

Cross-cultural perspectives in Research and Evaluation Work 7.5 credits, Theory of Science and Research Methods 7.5 credits, Master Thesis 15 credits

Degree

Master of Social Science (60 credits) with a major in Health and Lifestyle.

Entry requirements

Bachelor of Science degree (or equivalent of 180 Swedish credit points / ECTS credits at an accredited university).

Applicants must have written and verbal command of the English language equivalent to English course 6 (Swedish Upper Secondary School).

Further studies

After the programme, you are qualified to apply for doctoral and PhD studies.

Career

The Master's programme in Nordic Welfare enhances your mobility on the labour market, both on a local and global level, while working with societal development.

Learn more about the education

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