halmstad
university
Sweden

The future begins
with exchange

HALMSTAD
UNIVERSITY

An innovative education for an innovative future

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.

We have lecturers who dare to think outside the box, alternative study environ-ments 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 you for participating in and further advancing this development.

Welcome to Halmstad University
– This is where the future begins!

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.

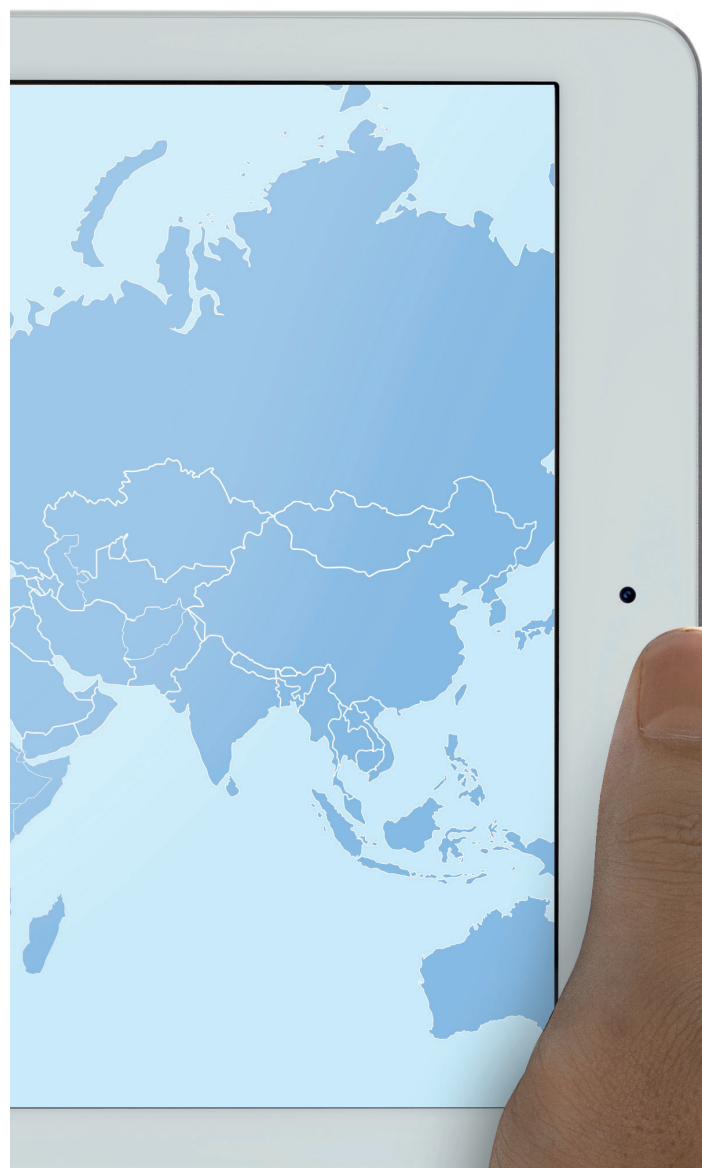## 2. Short distances between people and places

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.

Exchange Courses Autumn 2019

Course	Study level*	Credits**
Biology and Environmental Science		
Aquatic Biology and Restoration	Basic level	15
Conservation Biology	Basic level	15
Ecotoxicology and Environmental Monitoring	Basic level	7.5
Sustainable Rural Environment	Basic level	7.5
Sustainable Urban Development	Basic level	7.5
Ecology and Water: Applications and Innovations	Advanced level	7.5
Environment and Health: Risk Assessment and Management	Advanced level	7.5
Research Methods in Ecology and Environmental Science	Advanced level	7.5
Scientific Methods Oriented Towards Natural Sciences	Advanced level	7.5
Biomedicine and Biomechanics		
Advanced Exercise and Nutrition Physiology	Basic level	7.5
Exercise Physiology	Basic level	7.5
Laboratory Methods in Exercise Physiology	Basic level	7.5
Assessing Human Performance	Advanced level	7.5
Exercise as Medicine	Advanced level	7.5
Human Performance, Limitations and Improvements	Advanced level	7.5
Scientific Methods Oriented Towards Natural Sciences	Advanced level	7.5
Business and Economics		
Business Culture I	Basic level	7.5
Business Culture II	Basic level	7.5
Corporate Finance	Basic level	7.5
Introduction to Organization	Basic level	7.5
Management Control Systems	Basic level	7.5
Marketing	Basic level	7.5
Advanced Research Methods and Publishing in Business Administration	Advanced level	7.5
Classics in Business Administration	Advanced level	7.5
Frontiers of Research in International Entrepreneurship	Advanced level	7.5
Frontiers of Research in International Marketing	Advanced level	7.5
Industrial Marketing	Advanced level	7.5
International Growth and Business Development	Advanced level	7.5
International Marketing Strategy	Advanced level	7.5
Leadership Development	Advanced level	7.5
Strategic Entrepreneurship	Advanced level	7.5
Strategic Management	Advanced level	7.5
Strategic Planning	Advanced level	7.5
Computer Science and Engineering		
Algorithms, Data Structures and Problem Solving	Basic level	7.5
Computer Networks	Basic level	15
Computer Systems Administration	Basic level	7.5
Computer Systems Engineering I	Basic level	7.5
Data Communication	Basic level	7.5
Databases	Basic level	7.5
Introduction to Linux and Python	Basic level	7.5
Artificial Intelligence	Advanced level	7.5
Deep Learning	Advanced level	7.5
Design of Embedded and Intelligent Systems	Advanced level	15
Digital Service Innovation	Advanced level	7.5
Networks for Embedded Systems	Advanced level	7.5
Perspectives on Data Science	Advanced level	7.5
Real-Time Embedded Systems Biomedicine and Biomechanics	Advanced level	7.5
Construction Engineering		
Production within Infrastructure Projects	Basic level	7.5
Energy Efficiency and Moisture Control in Buildings	Advanced level	7.5
Renewable Energy Systems	Advanced level	7.5
Scientific Methods and Academic Writing	Advanced level	7.5
Digital Forensics		
Biometric Recognition	Basic level	7.5
Computer Systems Administration	Basic level	7.5

Course	Study level*	Credits**
Introduction to Linux and Python	Basic level	7.5
Advanced Computer Networks and Security	Advanced level	15
Applied Data Mining	Advanced level	7.5
Introduction to Digital Forensics	Advanced level	7.5

Electrical Engineering

Course	Study level	Credits
Electronic Design and Implementation	Basic level	7.5
Semiconductor Devices	Basic level	7.5
Applied Electromagnetics	Advanced level	7.5
High-frequency Electronics	Advanced level	7.5
Optoelectronics	Advanced level	7.5
Semiconductor Devices	Advanced level	7.5

English

Course	Study level	Credits
English Listening Comprehension and Vocabulary	Basic level	7.5
Speaking and Writing in English	Basic level	7.5

Industrial Management

Course	Study level	Credits
Industrial Transformation and Technical Change	Advanced level	7.5

Information Systems

Course	Study level	Credits
Academic Communication	Advanced level	7.5
Design Studio in Digital Service Innovation	Advanced level	15
Emergent Themes in Digital Service Innovation Research	Advanced level	7.5
Ethics and Sustainability in Digital Service Innovation	Advanced level	7.5
Intelligent Services	Advanced level	7.5
Services in the Digital Society	Advanced level	15

Innovation Management

Course	Study level	Credits
Product Design and Development in the Health Technology Area	Basic level	15
Concurrent Product and Business Development I	Advanced level	7.5
Concurrent Product and Business Development II	Advanced level	7.5
Economics of Innovation	Advanced level	7.5
Industrial Marketing	Advanced level	7.5
Management of Technology	Advanced level	7.5
Product Development and Innovation Management	Advanced level	7.5

Mathemetics

Course	Study level	Credits
Engineering Mathematics	Advanced level	7.5

Mechanical Engineering

Course	Study level	Credits
Advanced Material and Manufacturing Technologies	Advanced level	7.5
Development of Product- and Manufacturing Technology	Advanced level	15
Production Development Towards Total Quality	Advanced level	7.5

Media

Course	Study level	Credits
Media and the City	Basic level	7.5
Media, Risk and Uncertainty	Basic level	7.5
Mediated Lifestyle	Basic level	7.5
Project Work in Media, Communication and Lifestyle	Basic level	7.5

Social Science

Course	Study level	Credits
Project Work in Media, Communication and Lifestyle	Basic level	7.5
Health, Lifestyle and Welfare in a Nordic Perspective	Advanced level	7.5
New Challenges for the Welfare Society	Advanced level	7.5
Social Sustainability in the Nordic Region	Advanced level	7.5
Welfare Models in the Nordic Region	Advanced level	7.5

Swedish and Scandinavian Studies

Course	Study level	Credits
Swedish as a Foreign Language I	Basic level	7.5

Teacher Education

Course	Study level	Credits
Educational Systems and the Teacher Profession - a Comparative Perspective	Basic level	7.5
Project Work in a School Context	Basic level	7.5

Exchange Courses Spring 2020

Course	Study level*	Credits**
Biology and Environmental Science		
Degree Project in Environmental Science	Advanced level	15
Environmental Challenges and Green Innovation	Advanced level	7.5
Sustainable Water Resources Management	Advanced level	7.5
Biomedicine and Biomechanics		
Exercise Training	Basic level	7.5
Molecular Biology and Immunology	Basic level	7.5
Sports Biomechanics	Basic level	7.5
Degree Project in Exercise Biomedicine	Advanced level	30
Business and Economics		
Business Culture I	Basic level	7.5
Marketing	Basic level	7.5
Strategic Marketing Management I	Basic level	7.5
Strategic Marketing Management II	Basic level	7.5
Strategic Marketing with Independent Project	Basic level	30
Independent Project in Business Administration	Advanced level	30
International Marketing Communication	Advanced level	7.5
Management of Innovation Projects	Advanced level	7.5
Research Design and Methods	Advanced level	7.5
Strategic Renewal and Change	Advanced level	7.5
Thesis in Business Administration	Advanced level	15
Computer Science and Engineering		
Advanced Object Oriented Programming	Basic level	7.5
Advanced Routing	Basic level	7.5
Computer Systems Engineering II	Basic level	7.5
Converged Optimized Networks	Basic level	15
Network Security	Basic level	7.5
Project in Computer Science and Engineering	Basic level	15
Web Systems Fundamentals	Basic level	7.5
Big Data Parallel Programming	Advanced level	7.5
Computer Vision in 3D	Advanced level	7.5
Data Mining	Advanced level	7.5
Edge Computing and Internet of Things	Advanced level	7.5
Embedded Parallel Computing	Advanced level	7.5
Image Analysis	Advanced level	7.5
Intelligent Vehicles	Advanced level	7.5
Learning Systems	Advanced level	7.5
Robotics	Advanced level	7.5
Construction Engineering		
Concrete Technology and Concrete Construction	Basic level	7.5
Industrialized Building and Construction Logistics	Basic level	7.5
Structural Engineering I	Basic level	7.5
Heating, Cooling and Indoor Climate	Advanced level	7.5
Digital Forensics		
Advanced IT-Forensic Tools	Basic level	7.5
Converged Optimized Networks	Basic level	15
Data Recovery	Basic level	7.5
Network Security	Basic level	7.5
Project Work in IT-forensics	Basic level	7.5
Web Systems Fundamentals	Basic level	7.5
Network Forensics and Cybercrime	Advanced level	15

Course	Study level*	Credits**
Electrical Engineering		
High Frequence Electronics	Basic level	7.5
Project in Electrical Engineering	Basic level	15
Signals and Sensors	Basic level	7.5
Nanoelectronics	Advanced level	7.5
Wireless Embedded Systems	Advanced level	7.5
English		
English Listening Comprehension and Vocabulary	Basic level	7.5
Speaking and Writing in English	Basic level	7.5
Information Systems		
Design Research	Basic level	7.5
Design Studio - Health	Basic level	7.5
Digital Innovation	Basic level	7.5
Extended IT-project	Basic level	22.5
IT-project	Basic level	15
Speech and Sonic Interaction	Basic level	7.5
Design Research Methods	Advanced level	15
Innovation Management		
Development of New Goods and Services	Basic level	7.5
Project Management I	Basic level	7.5
Business Model Innovation	Advanced level	7.5
Business Model Innovation	Advanced level	7.5
Management of Innovation Projects	Advanced level	7.5
Management of Innovation Projects	Advanced level	7.5
Research Design and Methods	Advanced level	7.5
Thesis in Industrial Management	Advanced level	15
Thesis in Industrial Management	Advanced level	30
Visualizing and Prototyping	Advanced level	7.5
Mechanical Engineering		
Lightweight Design	Advanced level	7.5
Process and Production Improvement	Advanced level	7.5
Thesis in Mechanical Engineering	Advanced level	15
Swedish and Scandinavian Studies		
Swedish as a Foreign Language I	Basic level	7.5
Swedish as a Foreign Language II	Basic level	7.5

*Study level:
Basic level – Studies at bachelor level
Advanced level – Studies at master level

**Credits:
One semester of full time studies equals 30 credits.

Please note that the latest updated information about our courses is found on our website **www.hh.se.**

Why study in Sweden?

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

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.

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.

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)

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