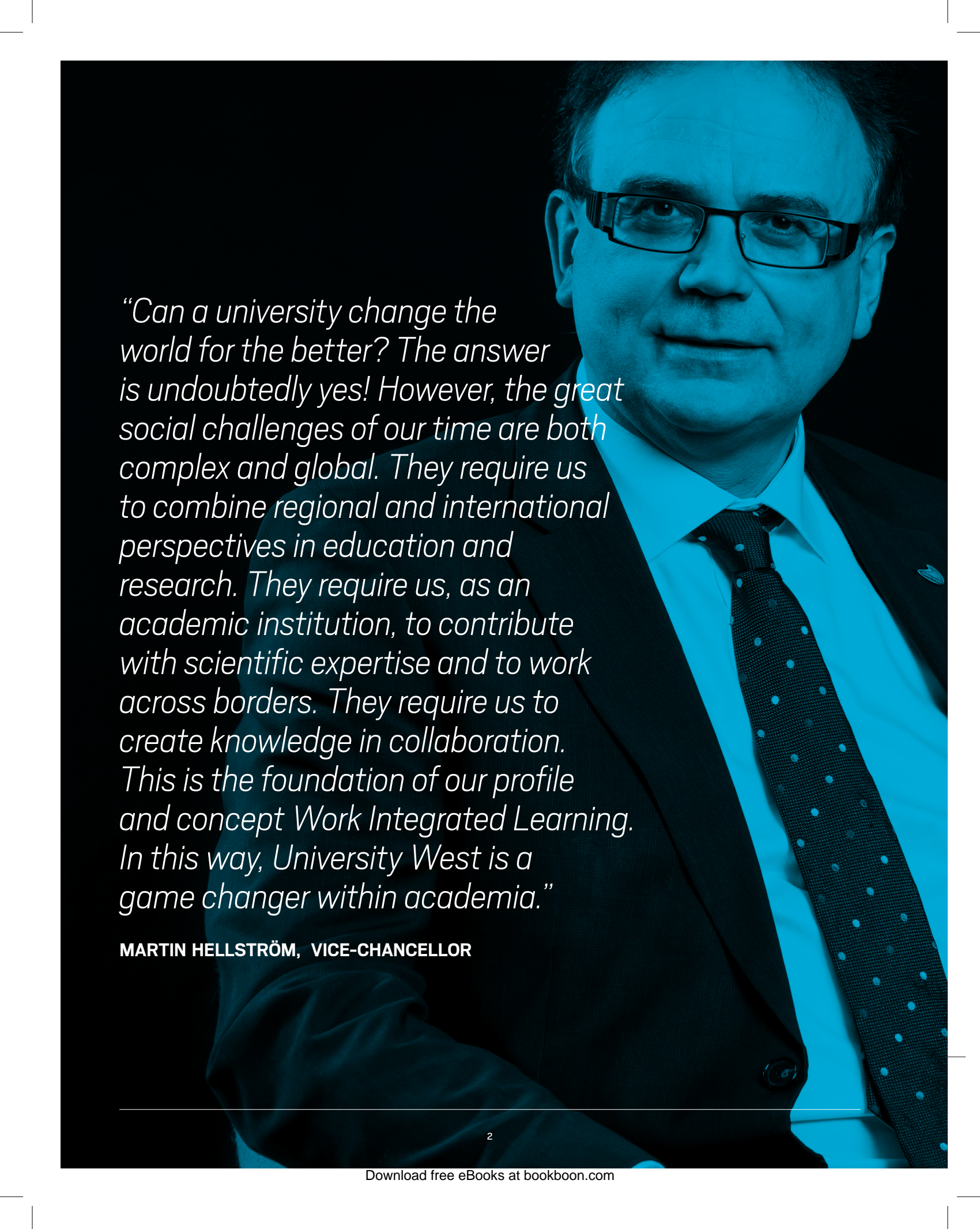




BUILDING YOUR FUTURE. TOGETHER.

INTERNATIONAL PROGRAMMES AT UNIVERSITY WEST, ACADEMIC YEAR 2018/19



“Can a university change the world for the better? The answer is undoubtedly yes! However, the great social challenges of our time are both complex and global. They require us to combine regional and international perspectives in education and research. They require us, as an academic institution, to contribute with scientific expertise and to work across borders. They require us to create knowledge in collaboration. This is the foundation of our profile and concept Work Integrated Learning. In this way, University West is a game changer within academia.”

MARTIN HELLSTRÖM, VICE-CHANCELLOR

YOUR PATH TO A GLOBAL CAREER...

...THROUGH STRONG
COLLABORATION
WITH LOCAL
COMMUNITY.

Welcome to Trollhättan and one of Sweden youngest and most popular universities. We've proven time and again that close co-operation with business and industry and society at large offers the best results for students. Testament to our way of thinking is the fact that a high proportion of our students get jobs within a year of completing their studies.

Together we build solid foundations for successful careers.

More and more foreign students are applying to study with us. There's a simple reason for this. Unlike many larger and more famous educational institutions in the United States and the rest of Europe, we offer not only good courses, modern teaching methods, and inspiring research environments, but also a learning environment that puts you the student at the centre. 100 percent. It's no coincidence that Trollhättan was named Swedish student city of the year, nor that international students really like living here.

Your studies represent a major investment. Up here in the north, in a small country like Sweden we understand that this requires a little more knowledge, extra innovation, and close partnerships between ambitious people for you to succeed. Our knowledge permeates not just our international courses but the whole of University West.



OUR MISSION

Since 2002 University West has been tasked by the Swedish government to develop forms of Work Integrated Learning as part of the pedagogical renewal of higher education.



University West offers programmes and courses taught in English at both undergraduate and graduate level. We offer a three-year bachelor's programme and master's programmes.



HIGH QUALITY EDUCATION FOR A MODERN WORKING LIFE

University West offers the latest and most modern methods and equipment for studies. Our students work closely with teachers and researchers, and the international atmosphere is informal and dynamic.

HIGH QUALITY The programmes at University West are evaluated by Standards and Guidelines for Quality Assurance in the European Higher Education Area, ESG. The most recent evaluation of technical and engineering courses at Swedish universities was conducted by the Swedish Higher Education Authority in 2013. It established that the learning environment for engineering students at University West is one of the best in the country. One year earlier, the same authority evaluated the English language programme at University West, and gave the assessment "very high quality" for education in this area.

THE TUITION FEES WAS INTRODUCED IN SWEDEN IN 2011. AS A FEE-PAYING STUDENT AT UNIVERSITY WEST YOU CAN EXPECT:

- 24/7 student insurance
- Pick-up service at airports in the region on arrival day
- Organising of accommodation
- Free membership in the student union
- General introduction
- Scholarships available
- Same support as local students
- Guidance counselling
- Career counselling
- IT support/ free wifi everywhere on campus
- Academic support (academic writing, math etc.)

WORLD-CLASS RESEARCH

University West conducts world-class research, almost always in collaboration with others, within three vital research environments: 70 researchers with expertise in unique lab environments work in close collaboration with industry at **Production Technology West**. The university's newest research environment is the **Child and Youth Studies**, and it's growing quickly. Research within **Learning in and for the new Working Life** focuses on digitalisation in work.



Together with **GKN Aerospace**, the Swedish research group **Swerea IVF**, and the development hub **Innovatum**, University West runs the **Production Technology Centre (PTC)** in Trollhättan. Here, industry and academia join forces in unique partnerships and exciting development and research projects with a multidisciplinary approach. The **Production Technology Centre** develops methods for collaboration and offers an equipment park of the highest international standard. University West's expertise in flexible industrial automation, cutting, thermal spraying, and welding puts the PTC in a unique position and creates unique opportunities for students. All areas are underpinned by expertise in visualisation and simulation.



The University West CISCO Center is a leading institute for advanced networking professionals in Northern Europe. The centre has been certifying Cisco networking academy students and instructors since 1998. University West is one of the few training centres which offers all courses in the Cisco academy portfolio.



The SPSS Academy at University West is one of the few SPSS Academies in the world. The academy is a collaboration between University West and SPSS, one of the world's leading producers of software for statistical analysis.

The Uddevalla Symposium was initiated by University West in 1998, and is arranged in an international arena. The symposium focuses on regional development, entrepreneurship and innovation, and attracts researchers from all over the world every year.

STUDENTS FROM ALL OVER THE WORLD

University West works with over a hundred educational institutions around the world and is a member of International Student Exchange Programs (ISEP), which consists of more than 300 educational institutions in some 50 countries. Almost a hundred foreign students apply to Trollhättan every semester.

A woman with long dark hair, wearing a white t-shirt, a red knitted scarf, blue jeans, and brown boots, stands in front of a large world map. She is holding a black suitcase. The map is rendered in a dark red and grey color scheme. The text "MY TIME IN TROLLHÄTTAN WAS AMAZING" is overlaid on the top part of the map.

“MY TIME IN TROLLHÄTTAN WAS AMAZING”

The number of foreign students at University West is growing steadily. Sneha Goel from India, Paria Karimi Neghlani from Iran, and Sam Sumo from Liberia are three students who know what we have to offer.

“I’m building my future career here”



Name: Paria Karimi Neghlani **Age:** 31 **From:** Iran
Master Degree at University West:
Manufacturing Engineering

Currently: Master Degree at University West
PhD student at the PTC within Additive Manufacturing.

PARIA KARIMI NEGHLANI is laying the foundations for her future career at the University West’s Production Technology Centre, specialising in Additive Manufacturing.

– At the PTC I meet talented people in an international research environment.

Paria already had the building blocks for her career when she arrived in Trollhättan in 2014. She had both a bachelor’s and a master’s degree in textile chemistry from Amirkabir University back home in Iran.

Continuing her studies in Trollhättan was a natural step after her husband was accepted into University West’s doctoral programme in 2014. When Paria embarked on an English course her interest in the one-year Manufacturing Engineering master’s programme grew.

Through her thesis in Additive Manufacturing her curiosity for material properties deepened.

– **Then I decided** to really become an expert and to work in this field. Understanding what’s happening to microstructures when temperatures change is fascinating.

After a two-month research assignment in materials development with a focus on aviation, Paria joined the PTC as a PhD student.

– I now have access to the most advanced research centre and University West’s partnership with GNK Aerospace, a world-leading producer of parts that are exposed to the extreme heat in rockets and aircraft engines. And all in truly caring surroundings.

“I’ve never regretted my choice”



Name: Sam Sumo **Age:** 29 **From:** Liberia
Master Degree at University West:
Science in finance

Currently: Senior Financial Reporting Analyst
at Liberia’s power company.

SAM SUMO from Liberia wanted to apply for the economics programme that would give him the best basis for furthering his studies and taking his planned international degree as a Chartered Financial Analyst (CFA). Sam found what he was looking for in Trollhättan.

– I also considered a university in Germany, but Trollhättan caught my attention because of the quality of the courses. The curriculum is also similar to the CFA courses.

After leaving upper secondary school, he studied for a bachelor’s degree in accounting at United Methodist University. When he was ready to take the next step towards his goal, he came across University West. He dived straight into the master’s programme in finance.

He has never regretted his choice.

– My ten months in Trollhättan were amazing. In addition to everything I learned, my time as a student gave me new insights and experiences thanks to my Swedish and foreign fellow students. Living in Trollhättan gave me real insight into Swedish society, which is very informal and built on honesty. Sweden is also innovative and the Swedes keep abreast of what’s going on in the world.

Sam, who is now back at home in Liberia, is following a distance learning programme while working as a CFA.

– After my studies in Trollhättan, I feel confident about taking my CFA exam in June 2018. My dream is to work as a finance or research analyst in a complex and interesting industry.

“University West has unique partnerships”



Name: Sneha Goel **Age:** 24 **From:** India
Master Degree at University West:
Manufacturing engineering

Currently: Master Degree at University West
PhD student at the PTC within Additive Manufacturing.

When **SNEHA GOEL** was offered the opportunity to leave her university at home in India to study in Trollhättan for three months, she was a little sceptical at first. Three years on she’s still at University West. She is a PhD student in materials technology at the PTC.

After her visit in 2014 she returned to University West in 2015–2016 and studied for a master’s in manufacturing engineering. She was then accepted into a doctoral programme at the PTC. Trying to compare the learning environment in Trollhättan with her hometown close to Delhi is like trying to compare night and day.

– **It’s much quieter here** and life is more in balance. The PTC is also a great development and research environment for me, close to everything. It’s easy to be active in your free time – you can work out or do other enjoyable things, Sneha says, before adding:

– The fact that it’s just a short walk or cycle ride to the PTC means I can be flexible if I have to work in the evenings or at weekends. In general, the day-to-day environment is much less formal. Life is more easy-going and relaxed, and also more equal, Sneha points out.

Once she graduates Sneha wants to gain engineering experience in the industry.

– **University West has unique** partnerships with business and industry. As a PhD student I have regular contact with various companies, says Sneha, who in the future would like to return to India as a teaching professor.

A UNIQUE UNIVERSITY EXPERIENCE IN THE MIDDLE OF TROLLHÄTTAN

University West is located near the west coast of southern central Sweden in Trollhättan. The city, with 55,000 inhabitants, is a well-known destination, attracting thousands of visitors every year. It is a creative city — a place with room for both development and a vision for the future.

THE CAMPUS is situated in the heart of the city centre, close to cafés, cinemas, restaurants, sports facilities but also a beautiful natural landscape. You don't have to waste time in traffic queues or get stressed over overcrowded subways. As a student in Trollhättan you have all you need in close by and the people of Trollhättan city really want to make you feel at home.

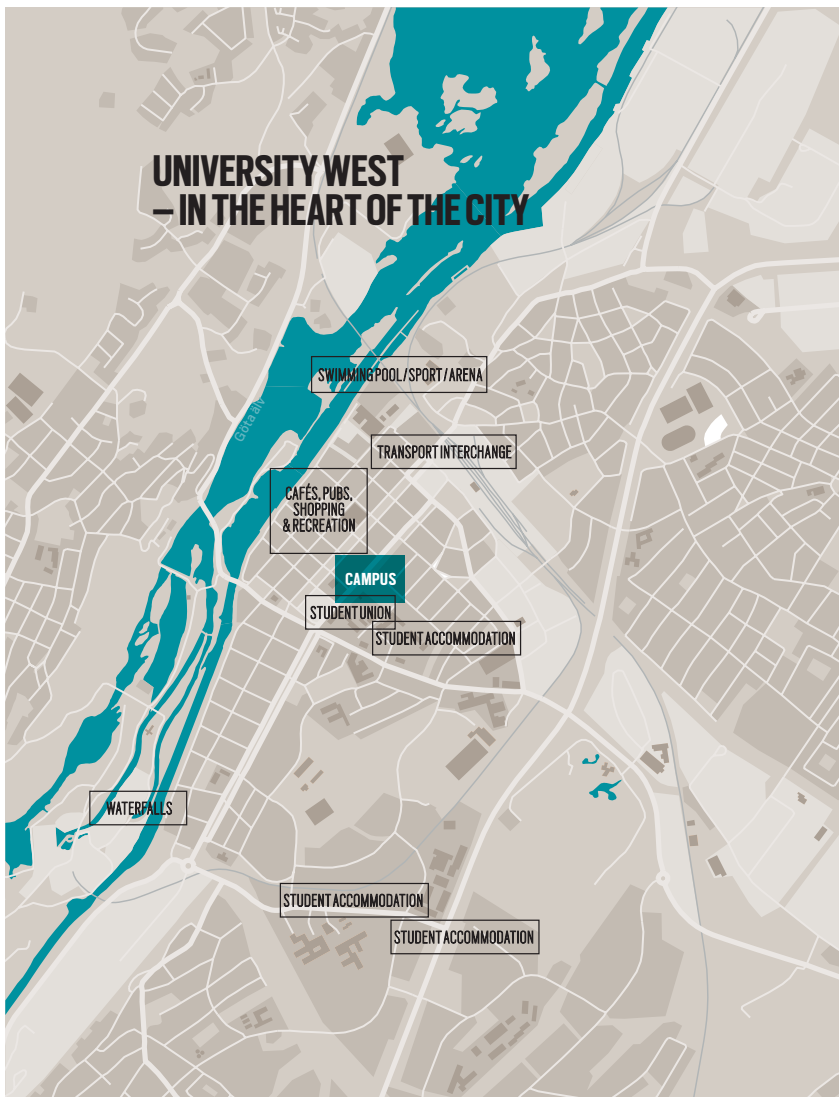
THE GÖTA RIVER and the great waterfalls are within walking distance of the campus. The falls have provided the local economy with power for several hundred years, and Sweden's first hydropower plant was established here. Together with Trollhättan's reputation for innovation, this was a key factor underlying the city's industrial expansion. Good communications and cheap electricity direct from the power stations by the falls led to the crea-

tion of new companies with fresh ideas. NOHAB (which built locomotives for railways all around the world) and later SAAB Automobile are two examples.

TODAY TROLLHÄTTAN is home to a number of high-tech companies. One of the best known is GKN Aerospace, a company that not only takes Trollhättan out into the world with its jet engines, but also out into space through its development of rocket engine technology. An exciting part of Trollhättan's proud industrial history is the experience industry, with entrepreneurs within media and film production. Trollhättan has also become the home of Chinese company Nevs (National Electric Vehicle Sweden) which is currently developing its platform for the future generation of electric cars in the former SAAB Automobile factory.

Trollhättan is a part of the wider Västra Götaland region, and is located not more than a 35-minute train ride away from Gothenburg, the second largest city in Sweden. The companies in Trollhättan, together with excellent public transport, make Trollhättan an important player in the regional labour market.

UNIVERSITY WEST – IN THE HEART OF THE CITY



Students from around the world come together in the wonderful city of Trollhättan, whose waterfalls breathe new energy into your studies.



HUMAN INTERACTION
AND SOCIAL STUDIES

ENGINEERING

BUSINESS AND ECONOMICS

MEDIA AND INFORMATICS

FOUR INTERNATIONAL SUBJECT AREAS

On the following pages we present all our international programmes within four subject areas. For more information, please visit hv.se/en

ENGLISH LANGUAGE REQUIREMENT

You can demonstrate that you meet the English language requirement through:

- certain upper secondary (high school) studies,
- certain university studies,
- or an internationally approved English test. (Toefl, IELTS etc)

Check www.universityadmissions.se for detailed information.

ACADEMIC CALENDAR

Swedish Universities has a two-semester system: autumn and spring

The academic year is 40 weeks (20+20)

For specific application/admission dates go to: universityadmissions.se

MASTER OF SCIENCE IN FINANCE

(1 YEAR)



Well-developed financial markets and institutions contributes to economic growth in the long term, e.g. mobilizing financial resources, improving their allocation, providing payment services and enabling companies and households to manage economic uncertainty and risk.

To deal with these issues and to be able to solve such problems it is necessary to understand the roles played by financial markets and institutions, the impact of financial regulations, the importance of risk analysis and how to construct efficient portfolios. The programme provides an in-depth understanding of these topics which provides graduated students with superiority to meet the demand for financial skills in the national and international labour market.

During the programme you meet highly qualified and reputable researchers, teachers, professors, and representatives from business and NGOs. Participating teachers and international academic partners with active research give the programme a solid academic focus and clear linkages among research, education, and business and social developments.

WORK INTEGRATED LEARNING – WIL

Through close collaboration with representatives from industry and other external organizations, students will be given the opportunity to attend seminars and workshops led by industry representatives, providing an opportunity for students to conduct high-level economic research. This combination of high theoretical level and professional experience increases the student's employability.

FURTHER EDUCATION

Having completed this programme, students fulfill general entry requirements for admission to doctoral studies in Sweden.

WORKING LIFE

After completing this programme students have opportunities to work in a variety of sectors and branches. They can work in the private sector (e.g. industrial and financial firms and banks), government agencies (e.g. Ministry of Finance), the media, and in international bodies (such as the EU, UN, IMF, OECD and World Bank). The programme provides a scientific foundation that can be directly applied in professional roles such as insurance brokers, realtors, and financial advisors.

Entry requirements

Bachelor degree of 180 HE credits, with 90 HE credits in the major subject field of Economics including 15 HE credits in Finance (Financial Economics 7,5 HE and Corporate Finance, 7,5 HE credits) or equivalent. Verified knowledge of English corresponding to the course English B/English 6 in the Swedish Upper Secondary School or equivalent.

Qualifications

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

Start

Autumn 2018

Tuition fee

105 000 SEK

For updated information see hv.se/en

INTERNATIONAL BUSINESS, MASTER PROGRAMME IN BUSINESS ADMINISTRATION (1 YEAR)



Nowadays, for many business to operate internationally or even globally is not just an attractive option, it is a precondition for their survival and growth. The programme in Business Administration is aimed at equipping you with solid knowledge and a diverse range of skills needed for effective operation in the complex and dynamic global business environment.

The programme covers all main subfields of International Business subject area (International Management, International Marketing, International Accounting and International Finance) and emphasizes international business ethic, socially responsible behaviour of business actors as well as sustainability as a dominating logic of value creation processes. The programme establishes clear connections among current business practices, business research and your learning.

WORK INTEGRATED LEARNING – WIL

Incorporation of WIL in the programme gives you an opportunity to identify and solve real life problems faced by international companies in the global business environment. You may bump into different forms of WIL such as study visits to international companies, company-based projects, team-building, leadership development and cultural awareness raising exercises outside the university.

FURTHER EDUCATION

Having completed the programme you fulfil general entry requirements for admission to a third cycle programme (doctoral studies) in a relevant field of study in Sweden.

WORKING LIFE

After graduation from the programme you will be equipped with the skills needed to operate across borders, cultures, industries and functions. The range of career options available is broad. Recent graduates have been employed by large multinationals, management consultancy companies, banks as well as small companies making their first steps in international markets.

Entry requirements

Bachelor degree of 180 HE credits with 90 HE credits in the major subject area of business administration or equivalent. Verified knowledge of English corresponding to the course English B in the Swedish Upper Secondary School (high school) or equivalent. Or: Bachelor degree of 180 HE credits with 90 HE credits in the major subject area of business administration or equivalent. Verified knowledge of English corresponding to the course English 6

in the Swedish Upper Secondary School (high school) or equivalent.

Qualifications

Degree of Master of Science (60 credits) with a major in Business Administration

Start

Autumn 2018

Tuition fee

105 000 SEK

For updated information see hv.se/en

IT AND MANAGEMENT, MASTER PROGRAMME IN INFORMATICS (1 YEAR)



The programme develops students' knowledge around key issues in Informatics such as:

- Driving forces and consequences of the digitalization of society
- Design for IT-supported learning and competence development
- Ethical considerations linked to information technologies
- Design
- Applied use of information systems in different settings to support organizations in their development and performance.

Additionally, advanced project management skills and skills to evaluate IT-supported processes for learning and competence development in professional organizations are also developed. Such knowledge and skills are increasingly necessary in professional life.

The programme is also designed so that students increasingly gain reflective practice in both oral and written assignments. Such individual progress is important for the future directions of an individual's professional work in organizations as well as in academia.

WORK INTEGRATED LEARNING – WIL

WIL activities are related to the integration of knowledge and experiences from academia and outside organizations. This type of combination aims to enhance the relevance of the programme and combine theory and practice into a con-

temporary understanding of current issues when IT systems and organizations becomes the focal point of investigations in society at large. The profile of WIL is represented on individual courses when possible.

FURTHER EDUCATION

Having completed the programme, you will fulfil general entry requirements for admission to a third cycle programme (doctoral studies) in a relevant field of study in Sweden.

WORKING LIFE

After successfully completing the full programme, students will have gained a good foundation for future high ranking jobs where analytical capabilities are required as well as having the possibility of continuing their studies for a PhD.

Entry requirements

Degree of Bachelor of Science with a major in Informatics, Information systems or equivalent. Verified knowledge of English corresponding to the course English B or 6 in the Swedish Upper Secondary School (high school) or equivalent.

Qualifications

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

Start

Autumn 2018

Tuition fee

105 000 SEK

For updated information see hv.se/en

INTERNATIONAL POLITICS, MASTER PROGRAMME IN POLITICAL SCIENCE (1 YEAR)

The programme in Political Science provides you with knowledge, skills and understanding to work in a variety of international political-economic environments. The study of international politics include focus areas such as; Development & Inequality, Security, Foreign policy, International Political-Economy, Migration & Cultural Identity and Human Rights. In all areas, the programme strongly emphasizes the integration of ethnic and cultural diversity as well as issues of gender and sustainability.

INTERNATIONALISATION

The international focus is stressed throughout the education where guest lecturers and international students are an integral part of the programme. The programme is given in collaboration with The University of Western Cape, which also provides an opportunity for students to take part of the programme in Cape Town, South Africa. There is also a scholarship programme from which students can apply for studies in South Africa.

WORK INTEGRATED LEARNING – WIL

Certain study modules consist of various forms of projects, evaluation and analyses conducted in collaboration with the civil society.

FURTHER EDUCATION

The programme provides you with formal requirements to continue with studies at post-graduate and PhD level in political science and related fields, in Sweden as well as internationally. The international collaboration also opens up the opportunity to apply for a second year Master degree programme, or PhD studies, provided by the University of the Western Cape through a bilateral educational agreement.

WORKING LIFE

The international profile provides you with a solid post-graduate degree that can give you a working career in public administration, diplomatic service, the EU, United Nations or other international and national institutions, private companies, as well as non-government organisations.



Entry requirements

Bachelor degree of 180 HE credits with 90 HE credits in the major subject area of Political Science or equivalent. Verified knowledge of English corresponding to the course English B/English 6 in the Swedish Upper Secondary School or equivalent.

Qualifications

Degree of Master of Arts (60 credits) with a major in Political Science

Start

Spring 2019

Tuition fee

105 000 SEK

For updated information see hv.se/en

MASTER IN ROBOTICS AND AUTOMATION

(2 YEARS)

The future will see more about customized products and automation solutions which make use of robots which will need to operate in a flexible way together with people. In industry we are talking about the 4th industrial revolution which change the way we work with automation and robots.

And this goes beyond manufacturing with smart robots not only in smart factories but will also find a place such as services in homes or health care applications.

The Master program in Robotics and Automation will provide you with all knowledge and skills necessary to how to design and use robots. This will include fundamentals around modeling and analysis, simulation techniques to mimic robots in a virtual environment, and programming robots both as virtual ones and in real life.

PRODUCTION TECHNOLOGY CENTRE

Students on the programme have access to one of the countries largest and most modern laboratories, the Production Technology Centre (PTC). We have an up to date robotics and automation lab with modern robots of the same type as used in industry. Many courses include laboratory exercises where you will work with equipment related to the course such as robots, sensors or PLC systems, or all integrated which will provide you with state of the art knowledge and hands-on experience. Our laboratory is also used in research project, most of them in collaboration with industry which provides opportunities to meet people from industry, maybe your future employer.

WORK INTEGRATED LEARNING – WIL

During the last semester you will work with your own Degree Project, your Master's Thesis. It usually means that you work in the same environment as our researchers, set up and do experiments in our laboratory with guidance and supervision from experienced engineers and researchers. Some Degree Projects are in collaboration with industry and others can be fundamental studies in areas we decide together.

FURTHER EDUCATION

University West offers a doctoral degree programme in Production Technology. However, a Masters degree is needed to qualify for PhD positions.

WORKING LIFE

Robotics is an area which is developing fast and influence ongoing paradigm shifts in industry where we move from mass production to mass customization. Principles of smart factories and smart robots will be the key to the future and courses will get you on track with digital plants, future factories and service robotics during the second year, alongside with key technologies in industrial robotics and automation.



Entry requirements

Degree of Bachelor of Science in computer engineering, electrical engineering, mechanical engineering or Industrial Engineering and Management. Additionally the Bachelor of Science degree must be comprised of a minimum of 5 HE credits in programming and 15 HE credits in mathematics. Verified knowledge of English corresponding to the course English B/English 6 in the Swedish Upper Secondary School (high school) or equivalent.

Qualifications

Degree of Master of Science (120 credits) with specialization in Robotics and Automation

Start

Autumn 2018

Tuition fee

250 000 SEK

For updated information see hv.se/en

MASTER PROGRAMME IN ROBOTICS

(1 YEAR)



A lot of important technical systems in society use robots, robotics and mechatronics. Everyday examples include mobile robots in the form of self-propelled lawnmowers and vacuum cleaners, as well as service robots.

Industrial applications include welding, materials management, assembly and painting. Examples of more unusual applications are NASA's Pathfinder, which was used to explore Mars, or robots used to milk cows. Common tasks entail developing and designing advanced manufacturing systems or directing and conducting procurements of robot systems.

This one year masters programme provides the student with in-depth knowledge of robot systems, robot simulation and mathematical methods in the field. The programme includes an independent project assignment linked to industry and research. Examples of such projects include designing or simulating a robot system.

PRODUCTION TECHNOLOGY CENTRE

Students on this programme have access to one of the country's largest and most modern laboratories, the Production Technology Centre (PTC), which is equipped with industrial robots, as well as access to the university's simulation laboratory.

WORK INTEGRATED LEARNING - WIL

The programme is taught largely using a problem-based approach, often in the form of collaboration with industry or using case studies from industry.

FURTHER EDUCATION

University West offers a doctoral degree programme in Production Technology. However, a Masters degree is needed to qualify for PhD positions.

WORKING LIFE

Upon completion of the programme you will be working on qualified automation and robotic tasks within industry. You will be able to work in a vast range of fields and industries. Or you will carry on postgraduate studies in a suitable area.

Entry requirements

Degree of Bachelor of Science in computer engineering, electrical engineering or mechanical engineering. Additionally the Bachelor of Science degree must be comprised of a minimum of 12 HE credits in mathematics. Verified knowledge of English corresponding to the course English B/English 6 in the Swedish Upper Secondary School (high school) or equivalent.

Qualifications

Degree of Master of Science (60 credits) with specialization in Robotics

Start

Autumn 2018

Tuition fee

130 000 SEK

For updated information see hv.se/en

ADVANCED MANUFACTURING ENGINEERING

(2 YEARS)



Manufacturing engineering is a critical link between a product's design and its realization. A manufacturing engineer has competence in multiple technical, scientific and managerial fields and uses them to select, develop, and improve various manufacturing processes that transforms raw materials to the shipped products.

In this programme, multiple critical manufacturing technologies are identified and their scientific bases are discussed along with related scientific developments and ongoing challenges. You study several manufacturing processes such as additive manufacturing, machining, welding and surface technologies from a scientific point of view. Furthermore, several necessary subjects such as production management and robotics are included to better prepare you for the tasks of a manufacturing engineer.

PRODUCTION TECHNOLOGY CENTRE

Production Technology West (PTW) at University West works on development of production processes in the manufacturing industry. The research team and their lab equipment are located in Production Technology Centre (PTC). As a student on this master's programme, you will have access to PTC during your studies.

WORK INTEGRATED LEARNING – WIL

WIL is the profile that permeates all work at the University West, meaning that theory is combined with practical work in real companies and within the research arena. During the last semester you will work with your own Degree Project, your Master's thesis. It usually means that you work in the same environment as our researchers, and you set up and do experiments in our laboratory with guidance and supervision from experienced engineers

and researchers. Some degree projects are in collaboration with industry and others can be fundamental studies in areas we decide together.

FURTHER EDUCATION

Having graduated from this Master's programme you will be eligible to continue studying as a PhD student. University West offers a doctoral degree programme in Production Technology.

WORKING LIFE

From this programme you gain different skills that would contribute to your career in different sectors of the manufacturing field. You will gain the operations management skills to plan and manage production units. You will be equipped with the research skills to solve problems in different manufacturing fields. Furthermore, since manufacturing processes affect the properties of materials and performance of final products, or economy of the manufacturing process, you will learn the scientific fundamentals of these processes and various experimental and scientific methods that are used to study and improve them.

Entry requirements

Degree of Bachelor of Science in mechanical engineering, manufacturing engineering, industrial engineering, materials science and engineering or equivalent. The Bachelor of Science degree must be comprised of at least 7.5 HE credits of materials science and at least 15 credits of mathematics including basic knowledge of analysis, linear algebra and statistics. In addition, verified knowledge of English corresponding

to the course English B, English 6 in the Swedish high school or equivalent.

Qualifications

Degree of Master of Science (120 credits) with a major in Mechanical Engineering

Start

Autumn 2018

Tuition fee
250 000 SEK

For updated information see hv.se/en

MANUFACTURING ENGINEERING TECHNOLOGY

(1 YEAR)



Production technology is one of the strongest areas of research in University West with strong links to industry. The programme offers both detailed technological knowledge and a wider outlook on the field of production, which are required for senior positions.

The programme aims at providing advanced knowledge of several production processes and of production systems that contribute to increased competitiveness. The programme ends with an independent work on a project where the gained knowledge in the main field of manufacturing is presented and documented in a thesis.

PRODUCTION TECHNOLOGY CENTRE

Production Technology West (PTW) in University West works on development of production processes in the manufacturing industry. The research team and their lab equipment are located in Production Technology Centre (PTC), one of the largest and most modern manufacturing laboratories in Sweden, which is equipped with industrial research facilities such as robot welding and thermal spraying cells, machine tools, robot assembly lines and material analysis equipment. Students on our master's programme will have access to PTC during their studies.

WORK INTEGRATED LEARNING - WIL

You will benefit from Work Integrated Learning (WIL) as a consequence of the strong links between the programme and research conducted at the PTW. Industrial research by PTW is based entirely on integration with working life. Theory is linked to practice.

FURTHER EDUCATION

With this one year masters degree, you can apply for PhD positions in the field of manufacturing engineering in Sweden and several other European countries.

WORKING LIFE

Challenges in manufacturing technologies are found in major international corporations as well as small and medium-sized companies. These challenges include planning and development of manufacturing processes, development of new manufacturing methods or improvement of existing methods. While you could use the operations management skills in planning and management of production units, you will also gain the scientific background to understand the effects of different manufacturing processes on properties of materials. You will be equipped with the research skills to handle scientific and technical challenges in different manufacturing fields such as welding, machining, and thermal spraying; in addition, you will be able to use your skills in robotics and automation in development of automated production lines or automation of advanced processes such as robotic welding.

Entry requirements

For information see hv.se/en

Qualifications

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

Start

Autumn 2018

Tuition fee

130 000 SEK

For updated information

see hv.se/en

INTERNATIONAL PROGRAMME IN POLITICS AND ECONOMICS – IPPE (3 YEARS)



As you study political and economic systems from global to local levels, you also look at the historical traditions, cultures and societies within which they operate. The globalization process challenges our traditional understanding of how and by whom political and economic decisions are made. The integration of political and economic systems must therefore be studied and understood in a global context.

IPPE is a 3-year multidisciplinary Bachelor Degree programme that aims to provide knowledge, skills and understanding to work in an international political-economic environment. IPPE educates and provides theoretical knowledge and practical skills suitable for political-economic oriented professions in public administration, organizations and private corporations that in different ways operate in an international environment.

PEDAGOGICAL APPROACH

IPPE uses a wide set of pedagogical tools to reach the overall goals of the programme. Apart from providing relevant knowledge and skills, IPPE strongly emphasizes the integration of ethnic and cultural diversity as well as issues of gender and sustainability.

INTERNATIONALISATION

The international focus in IPPE is stressed throughout the education where guest lecturers and international students are an integral part of the programme. During the 5th semester, the internationalisation focus is further strengthened through possibilities to study or do work practice abroad. IPPE has agreements and cooperates with a number of Universities in Europe, Africa, USA, Australia and Asia. IPPE supplies the students with different forms of financial support for studies and work practice. To strengthen the international focus at campus, guest lecturers and inter-

national students are an integrated part of the programme.

WORK INTEGRATED LEARNING – WIL

WIL is an integrated part of IPPE that provides the students with opportunities to put knowledge and skills into practice. Certain study modules consist of various forms of projects, evaluation and analyses conducted in collaboration with the civil society.

FURTHER EDUCATION

Having completed the Programme, you will fulfill all requirements for Master Programme in Political Science (see page 13).

WORKING LIFE

With your international IPPE education, a variety of career paths are available. The labour market includes employment opportunities in public administration, diplomatic service, the EU or other national and international institutions, as well as non-government organizations. Other possibilities include careers in the international oriented private sector of industry and commerce, within and outside of Sweden.

Entry requirements

General entry requirements with exception from Swedish. Mathematics B, English B and Social Studies A, in the Swedish Upper Secondary School (high school) or equivalent. Or: General entry requirements (including English 6) with exemption from Swedish. Mathematics 2a/2b/2c and Social Studies 1b/1a1+1a2, in the Swedish Upper Secondary School (high school) or equivalent.

Qualifications

Degree of Bachelor of Arts with specialization in Political Science and Economics

Start

Autumn 2018

Tuition fee

240 000 SEK

For updated information see hv.se/en

FACTS ABOUT UNIVERSITY WEST

- 11,000 students
- 600 employees
(researchers, teaching staff and administrative staff)
- Four departments
- Three vital research environments and five centres of expertise
- A commission from the Swedish Government to develop Work Integrated Learning (WIL)
- 50 professors
- 50 of its own doctoral students, of which one third are employed in industry
- One of Sweden's highest numbers of applicants per place
- 25 programmes at first-cycle level, 10 programmes at second-cycle level and around 200 courses



ADMISSION INQUIRIES

admission@hv.se

APPLICATION

www.universityadmissions.se

GENERAL INQUIRIES

servicecenter@hv.se

SCHOLARSHIPS

Information about scholarships:

www.si.se

INTERNATIONAL OFFICE

UNIVERSITY WEST

SE-461 86 Trollhättan, Sweden

Phone +46 520 22 30 00

international@hv.se

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UNIVERSITY WEST, SWEDEN



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