



Chalmers – for a sustainable future. The vision is based on our firm belief that we can and should manifest our excellence in research and education to contribute to the development of a sustainable society.

Chalmers was founded in 1829. Total number of students: about 10,000 full-time students, of which 336 exchange students from other countries.

MASTER'S PROGRAMMES

2,776 full-time students
30% international students

INTERNATIONAL COLLABORATION

Two-thirds of the University's operations involve research and doctoral programmes. This embodies both innovative, applied research as well as prominent fundamental research. Chalmers is involved in a number of international research collaborations and strategic alliances.

AREAS OF ADVANCE

Chalmers has eight strategically identified areas: Materials Science, Production Information & Communication Technology, Transport, Built Environment, Nanoscience & Nanotechnology, Life Science and Energy.

Driven by sustainability, innovation and entrepreneurship, the Areas of Advance are firmly supported by the basic sciences. The objective behind the eight areas are to match our scientific excellence with the global challenges.

DOCTORAL STUDIES

About one-fifth of the graduate engineers and architects go on to doctoral programmes at Chalmers. These lead to a licentiate of engineering after about two and a half years and to a Ph.D after five to six years.

The doctoral students, with the help of their supervisors, choose their courses to suit their field of scientific interest. Their research also introduces them to networks of international contacts.

Most of the doctoral students assist in the teaching at Chalmers.

The results of their research are usually published in international scientific journals. Eventually their dissertations are defended in public. Being awarded a Ph.D represents the recognition of the international scientific community.

- www.chalmers.se/en
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FACTS ABOUT CHALMERS



**MASTER'S PROGRAMMES, 120 CR
STUDY FOR TWO YEARS AND A MSc DEGREE**

ARCHITECTURE & CIVIL ENGINEERING

Architecture and Urban Design
Design for Sustainable Development
Design and Construction Project Management
Infrastructure and Environmental Engineering
International Project Management
Sound and Vibration
Structural Engineering and Building Technology

BIOTECHNOLOGY & CHEMICAL ENGINEERING

Biotechnology
Innovative and Sustainable Chemical Engineering
Materials Chemistry and Nanotechnology

COMPUTER SCIENCE AND ENGINEERING & ELECTRICAL ENGINEERING

Biomedical Engineering
Communication Engineering
Computer Science – algorithms, languages and logic
Computer Systems and Networks
Electric Power Engineering
Embedded Electronic System Design
Interaction Design and Technologies
Software Engineering
Wireless, Photonics and Space Engineering

ENGINEERING FOR SUSTAINABLE DEVELOPMENT

Industrial Ecology
Sustainable Energy Systems

ENGINEERING PHYSICS, MATHEMATICS

Applied Physics
Complex Adaptive Systems
Engineering Mathematics and Computational Science
Nanotechnology
Nuclear Engineering
Physics and Astronomy

MANAGEMENT OF INNOVATION AND TECHNOLOGY

Entrepreneurship and Business Design
Management and Economics of Innovation
Master of Science in Maritime Management
Quality and Operations Management
Supply Chain Management

MECHANICAL, AUTOMATION, INDUSTRIAL DESIGN ENGINEERING

Applied Mechanics
Automotive Engineering
Industrial Design Engineering
Materials Engineering
Naval Architecture and Ocean Engineering
Production Engineering
Product Development
Systems, Control and Mechatronics

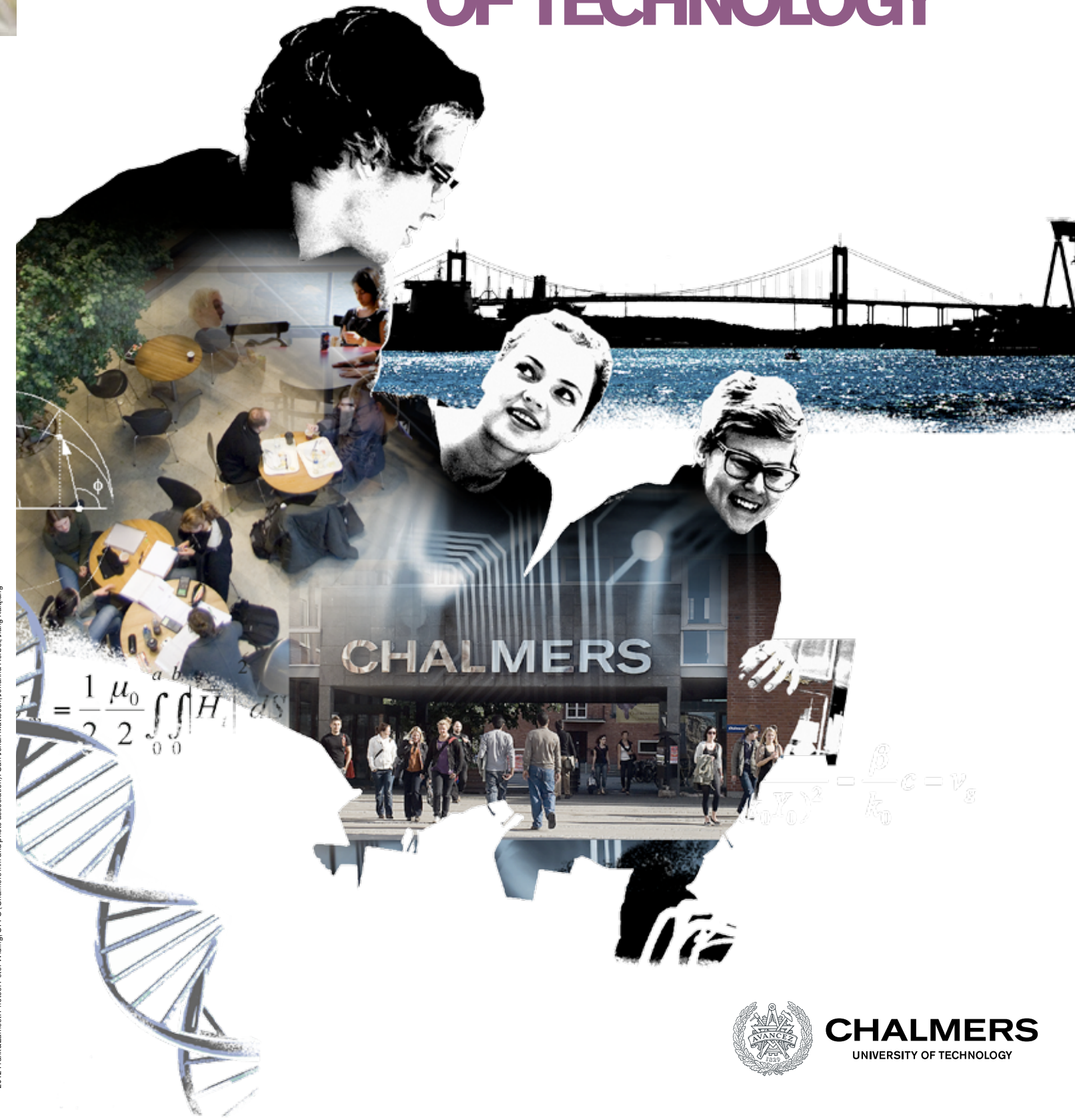
**Information about application
at www.chalmers.se/masters**



CHALMERS
UNIVERSITY OF TECHNOLOGY

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**MASTER'S
STUDIES**
AT CHALMERS UNIVERSITY
OF TECHNOLOGY



2012 Frank Eberst. Photos: Peter Widrig, CFFC (Chalmers film and photo association); Carl Johan Mattsson, Johanna Herbst, Jiang Kaiqiang



CHALMERS
UNIVERSITY OF TECHNOLOGY

GLOBAL PROJECTS AND MULTICULTURAL TEAMS

WILL SOON BE PART OF YOUR WORKING LIFE

SO WHY NOT GET STARTED?



“Chalmers is not just about studying, graduating and finding a job. It is about history, traditions, culture, being a part of something bigger than yourself and getting the opportunity to contribute to a cause that you are willing to fight for and spend time on”

Abhilash Ram, Microtechnology/Nanotechnology

Today’s technology isn’t developed in solitude. It’s about collaborative research, often carried out within a team in a broad international set-up. In fact, most of the skills you’ll need for a modern global career are integrated in a Chalmers Master’s programme.

The teaching is in English, your colleagues will come from all over the world, and you’ll learn to work on a project basis together with others, under realistic conditions.

At Chalmers you’ll learn to think independently, and to meet future challenges with the help of engineering methods. All in order to make you ready for the global career demands of an engineer or architect, not least in view of the versatility needed to work with different cultures and markets.

We have approximately 3,000 Master’s students, 30% of them come from countries other than Sweden. With teachers and students from different cultures, the whole experience is designed to broaden your horizons and provide access to a greater network.

Chalmers is ranked number 37 in the world on QS Electrical Engineering list. We rank within 51–100 on QS Mechanical Engineering and Physics & Astronomy list and placed within the 52–75 brackets on Shanghai Jiao Tong’s Academic Ranking (Engineering/Tech/Comp. Sc. list).

TWO CAMPUSES – ONE UNIVERSITY

Chalmers has two campuses, Johanneberg and Lindholmen. Both are centrally located and easily accessible without having to spend hours commuting. This means that you are always close to the city. There’s a lot happening on campus – there are clubs, associations, restaurants, concerts, sports facilities and much more.

AN ACTIVE WAY OF LEARNING

It’s important that you take an active part in your own learning. After all, it’s your interest – your curiosity – that will determine how you learn.

To facilitate your learning, our programmes are designed for close cooperation between students and teachers, where the atmosphere is often informal. The common goal, of course, is your development.

The teacher is your guide, someone you can test your theories on, a sounding board to help you move forward. So there’s no guarantee that your teacher will provide you with the right answer. Learning to think for yourself is far too important.

REALITY BASED STUDIES

Project based assignments provide hands-on experience of working with others in teams; planning, organizing, meeting deadlines and presenting results. Through projects you learn to apply your theoretical knowledge to tackle complex problems – a necessary approach to real-life situations.

CONNECTION WITH RESEARCH

At Chalmers there is a clear link between the Master’s programmes and our research. Your teachers are active in research projects which means that you as a student will be close to the latest findings within your field.

CONNECTION WITH INDUSTRY

Gothenburg is the centre of a rapidly developing region with companies such as Volvo, SKF and Astra Zeneca. Chalmers, of course, has a lively relationship with them all.

A case in point is our range of programme advisory teams with representatives from local industry. And during your studies you’ll both

meet with our guest speakers and visit relevant working environments, for a taste of reality. You also have a good possibility to do your Master’s thesis in close cooperation with the industry.

TUITION FEES

- Tuition fee 140,000 SEK/academic year.
- Architecture and Urban Design and Design for Sustainable Development, 190,000 SEK/academic year.

All Master’s programmes last for two years.

SCHOLARSHIPS

Chalmers offers a number of scholarships to prospective Master’s students.

The scholarships:

- reduces the tuition fee with 75% or 100%
- are awarded to students based upon academic merits, which primarily includes academic excellence
- are available for first year applicants.

www.chalmers.se/masters



GOTHENBURG

- City founded: 1621
- Inhabitants: 520,000 (2nd biggest city in Sweden)
- Largest private companies: Volvo Cars, Volvo Trucks, SKF, Volvo Info Technology, Ericsson
- Green space per citizen: 175m²
- www.goteborg.com/student

SWEDEN

- Capital: Stockholm
- Population: 9.4 million inhabitants
- Currency: Swedish krona (SEK)
- Languages: Swedish; recognized minority languages: Sami (Lapp), Finnish, Meänkieli (Tornedalen Finnish), Yiddish, Romani Chib
- Form of government: Constitutional monarchy, parliamentary democracy
- Religion: In practice, Sweden is very secularized. The Church of Sweden is Evangelical Lutheran; co-exists with many other beliefs
- www.studyinsweden.se

EXPERIENCE A CULTURE OF INNOVATION

Innovative research at Swedish universities and companies has resulted in a number of successful inventions. Some examples are: the computer mouse, Bluetooth for internet mobility, the pacemaker, the ball bearing, the Tetra Pak beverage packaging system, the dialysis machine and internet applications such as the online music streaming service Spotify and the free internet calling service Skype.

These inventions build on a long history of excellence in academia and research. Sweden is the home of the prestigious Nobel Prize and has highly acclaimed universities dating back to the 15th century.

This culture of innovation has made Sweden the birthplace of many successful multinational corporations, such as Ericsson, Volvo, Electrolux, SKF, and high-tech engineering groups as Sandvik and Atlas Copco.

Sweden is also a strong nation within design, fashion and well-known international brands such as furniture giant IKEA and clothes retailer H&M. Sweden is also one of the largest music-exporting countries in the world.

GOTHENBURG & SWEDEN