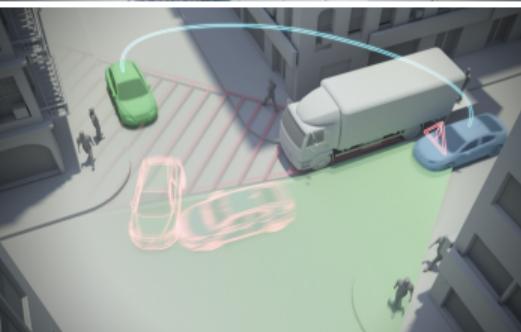


Master's Programme in Information and Communication Technology



Enabling the interconnected world



Information at the heart of the modern society

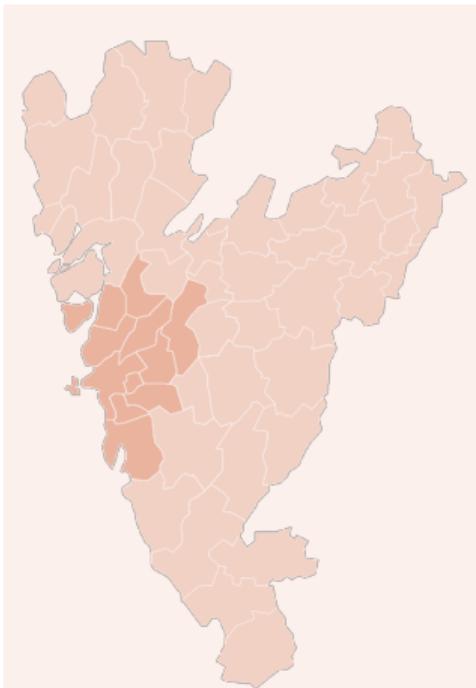
Enabling the interconnected world



Information at the heart of the modern society

- i** Our digital society relies on our ability to produce, transfer, store, and process digital information
- 👉** This program prepares you for an advanced engineering career in the broad and rapidly evolving ICT sector
- A** You will acquire the solid analytical skills and the applied knowledge needed to imagine, design, and build the digital systems of the future

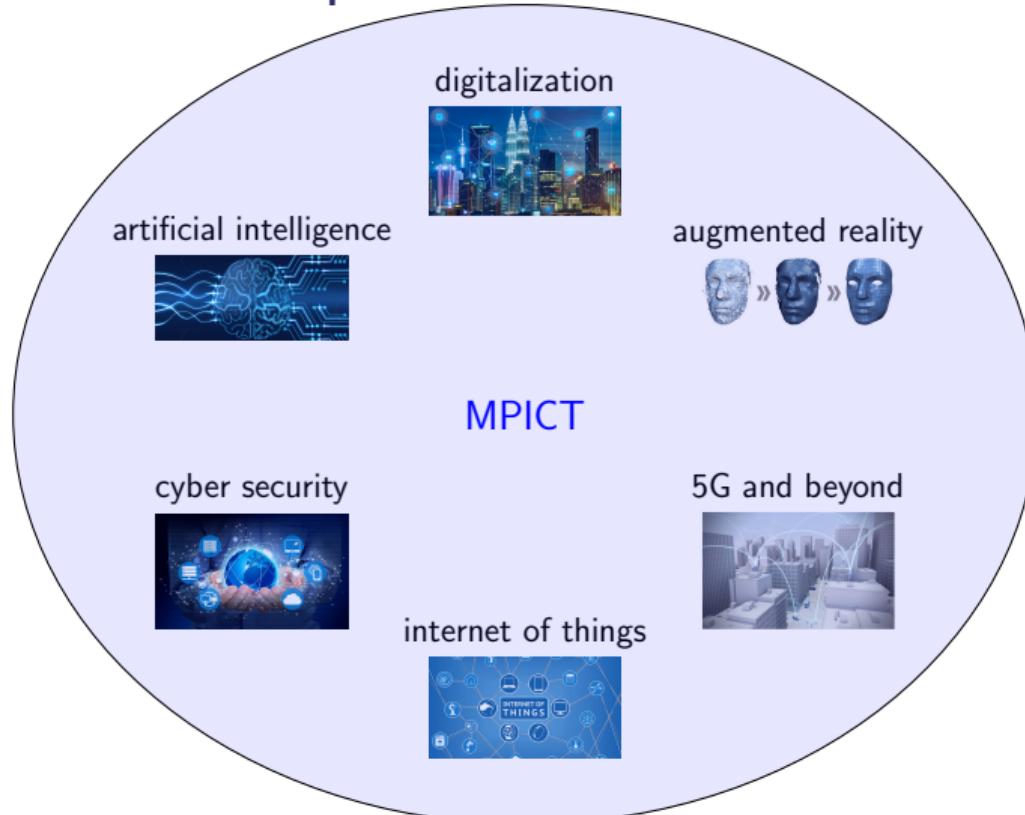
The ICT sector in the Gothenburg region at a glance¹



- Dynamic and rapidly evolving
- Gothenburg's fastest growing sector
- Leading large companies and fast-growing startups
- World-class ecosystem
- Fierce competition for engineers, with demand vastly exceeding supply

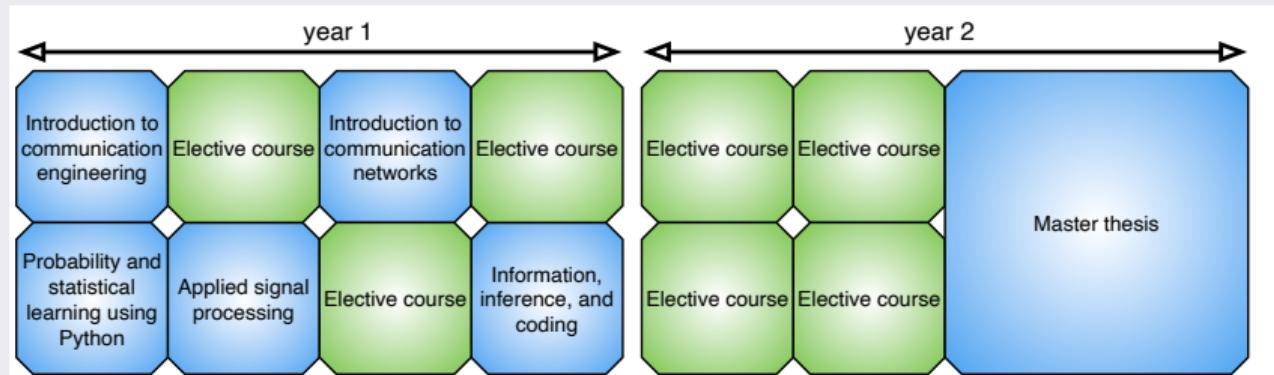
¹Source: Gothenburg Business Region

An in-depth view on ICT trends



Master Program in Information and Communication Technology

Five core courses to learn about ICT current challenges



A broad selection of **elective courses** to learn more about your favorite ICT trend

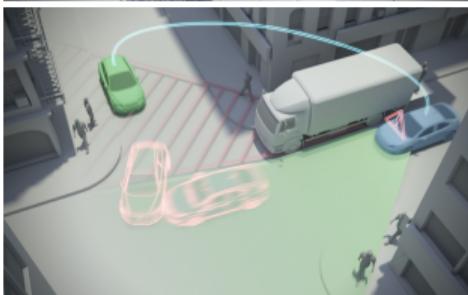
Three main tracks to simplify your selection

Three main tracks:

-  Digital communication systems
-  Intelligent information processing
-  Cognitive and autonomous networks

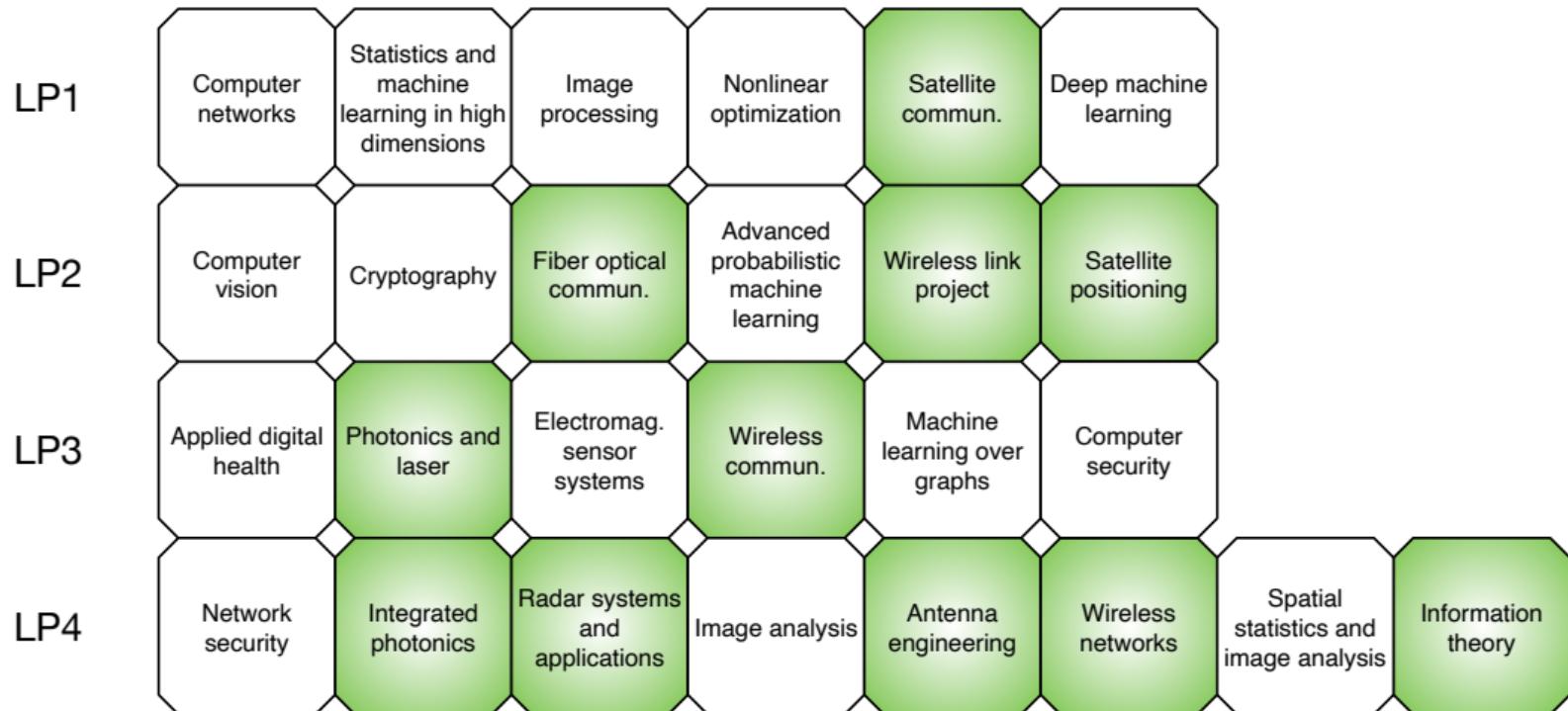


Digital communication systems



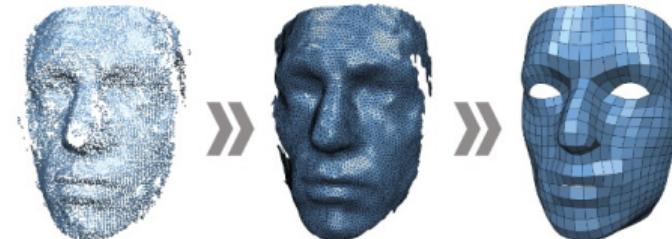
Theoretic, algorithmic, and practical aspects of digital communication systems

Track: digital communication systems



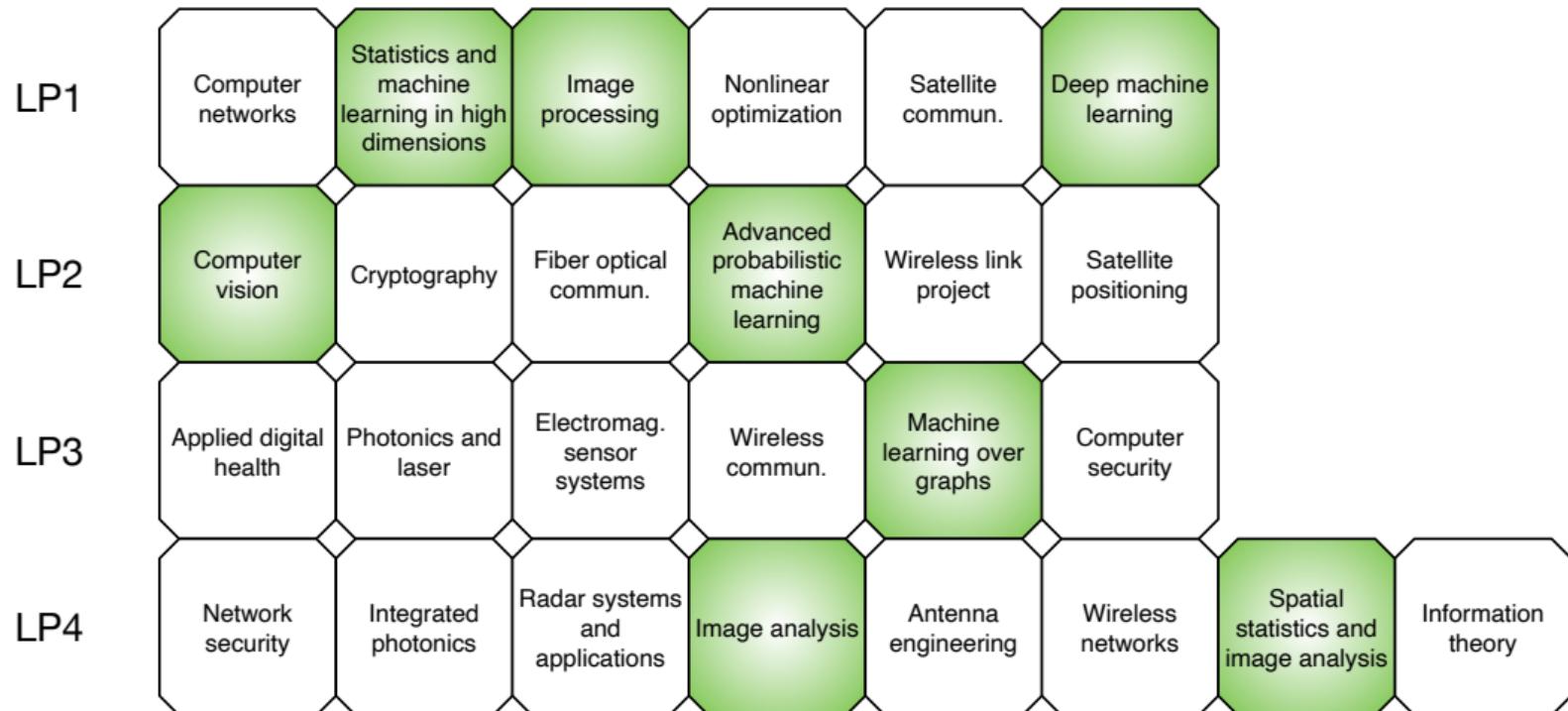


Intelligent information processing



At the intersection of signal processing, sensing, image processing, machine intelligence, and computer vision

Track: intelligent information processing



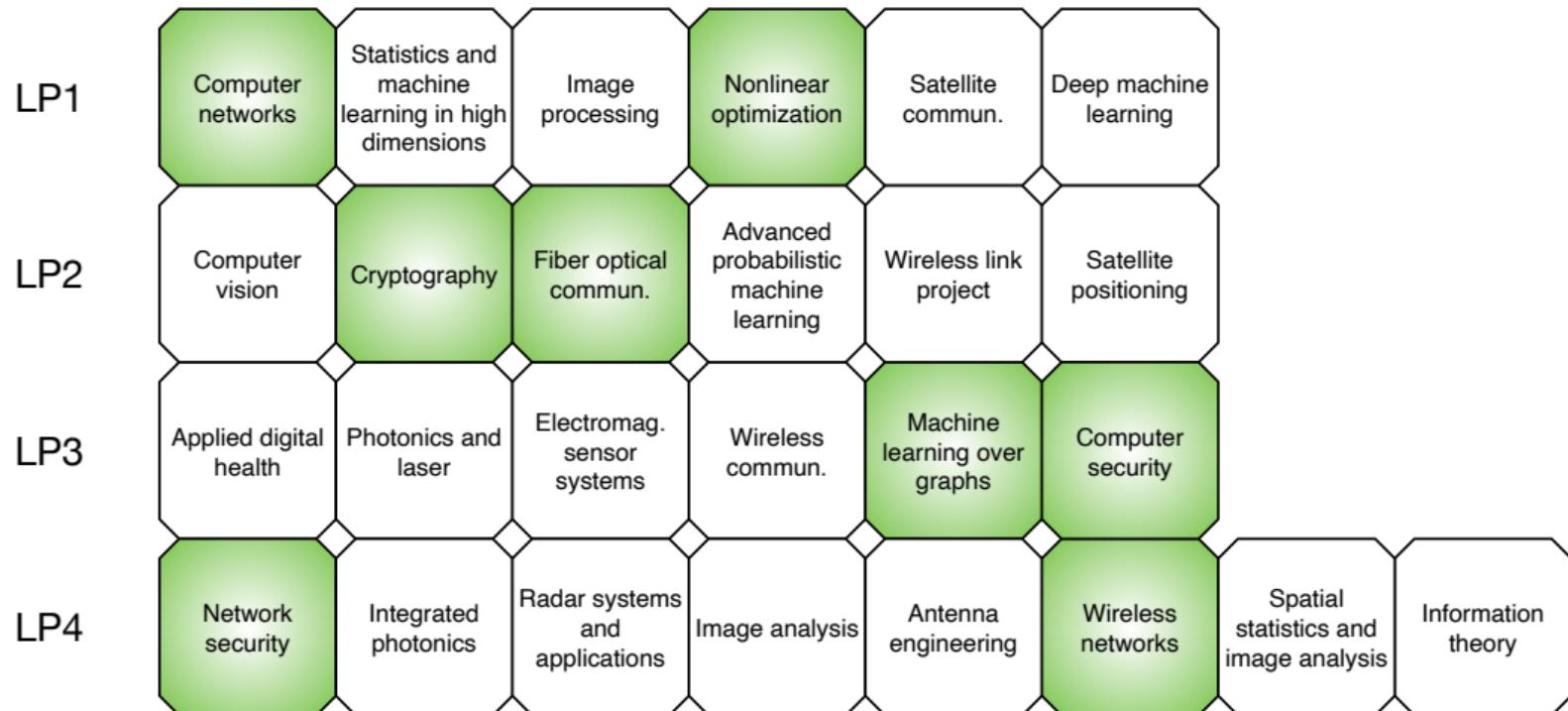


Cognitive autonomous networks

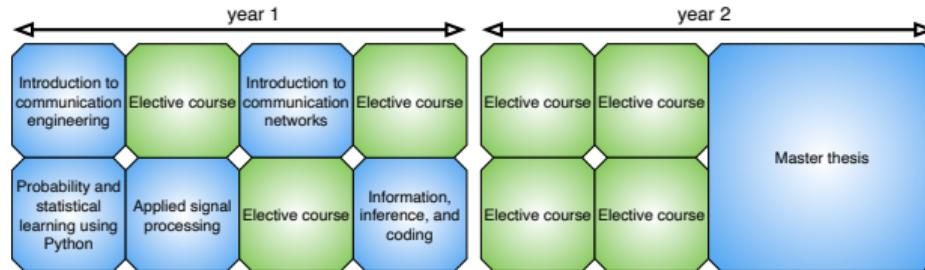


Network design and automation, security aspects

Track: cognitive autonomous networks



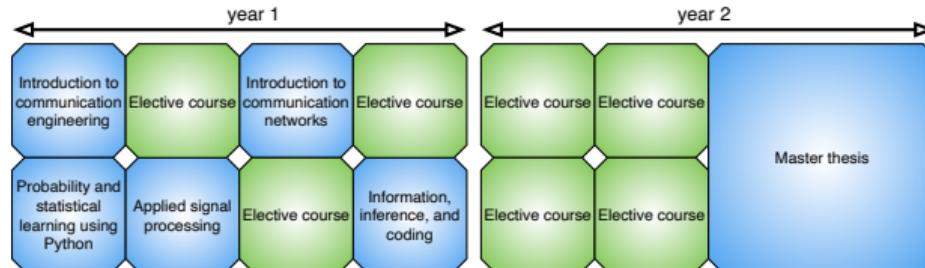
M.Sc. in Information and Communication Technology



Compulsory-elective and elective courses

- You must select at least 3 compulsory-elective courses

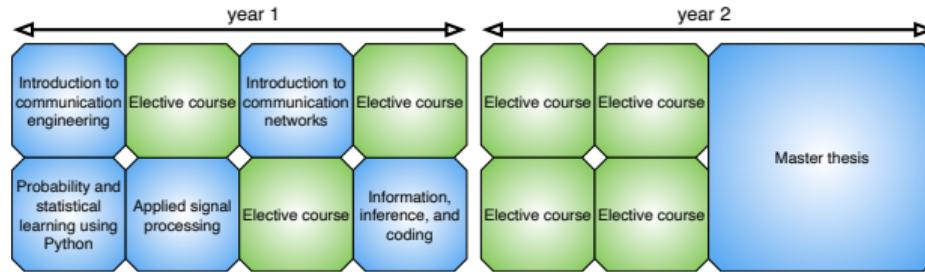
M.Sc. in Information and Communication Technology



Compulsory-elective and elective courses

- You must select at least 3 compulsory-elective courses
- 3 compulsory-elective/elective courses to be selected during year 1

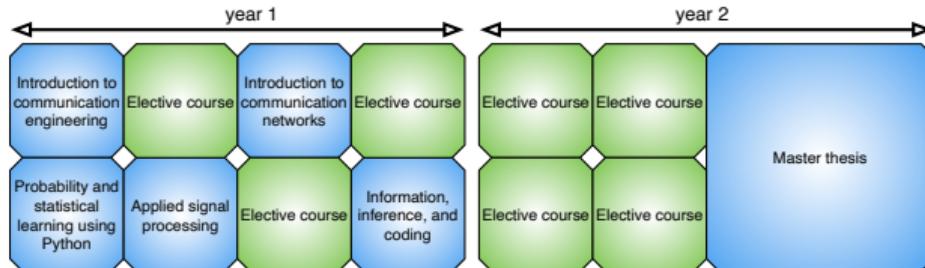
M.Sc. in Information and Communication Technology



Compulsory-elective and elective courses

- You must select at least 3 compulsory-elective courses
- 3 compulsory-elective/elective courses to be selected during year 1
- 4 compulsory-elective/elective courses to be selected during year 2*

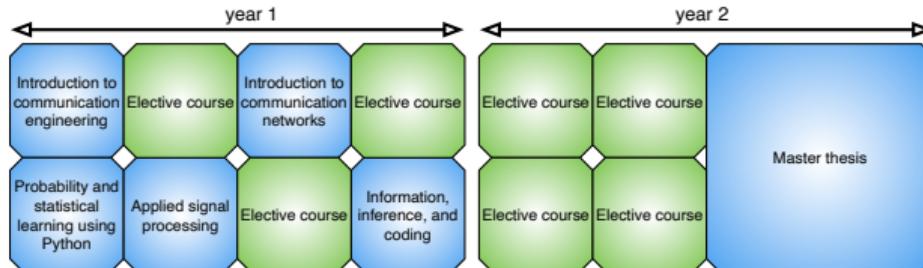
M.Sc. in Information and Communication Technology



Compulsory-elective and elective courses

- You must select at least 3 compulsory-elective courses
 - 3 compulsory-elective/elective courses to be selected during year 1
 - 4 compulsory-elective/elective courses to be selected during year 2*
-  Very suitable for Erasmus/exchange programs

M.Sc. in Information and Communication Technology



Compulsory-elective and elective courses

- You must select at least 3 compulsory-elective courses
 - 3 compulsory-elective/elective courses to be selected during year 1
 - 4 compulsory-elective/elective courses to be selected during year 2*
- Very suitable for Erasmus/exchange programs
- 1-year master thesis also possible!

Studying MPICT

Methods

-  Building and refining problem-solving skills, critical thinking
-  Team work, presentation skills
-  Interaction with industry (guest lectures, visits, exciting master theses)
-  Different examination formats (homework assignments, projects, quizzes, written exams, oral exams)
-  Close contact with **world-class** academic and industrial research environments
-  Chalmers has one of the **largest research group** in Europe in the field of information and communication theory

Career opportunities

We prepare you to work at the frontier of technology in the ICT area

Distributed data processing, machine intelligence, intelligent transportation, positioning sensing, and navigation, wireless and optical networks, Internet of things, digital health, ...

Career opportunities

We prepare you to work at the frontier of technology in the ICT area

Distributed data processing, machine intelligence, intelligent transportation, positioning sensing, and navigation, wireless and optical networks, Internet of things, digital health, ...

Our former students in the Gothenburg area work at

Volvo, Zenseact, Ericsson, Saab group, Beyond Gravity, ABB, Magna, AstraZeneca, Södra, AI Sweden, Qualcomm, Nordic Semiconductor, AI Sweden, ...

Career opportunities

We prepare you to work at the frontier of technology in the ICT area

Distributed data processing, machine intelligence, intelligent transportation, positioning sensing, and navigation, wireless and optical networks, Internet of things, digital health, ...

Our former students in the Gothenburg area work at

Volvo, Zenseact, Ericsson, Saab group, Beyond Gravity, ABB, Magna, AstraZeneca, Södra, AI Sweden, Qualcomm, Nordic Semiconductor, AI Sweden, ...

Prospective jobs

Research & development, management, consultancy, entrepreneurship, ...

A look into your future...

As a graduate of the MPICT program, you will...

...imagine, design, and build **exciting** and **disruptive digital technologies** that will
shape the future of our society



More info and video presentation



<https://tinyurl.com/2t3fj4x4>

Chalmers is a world-leading university in the ICT area