



KTH welcomes students from SEU



Introduction presented by:

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School of Information and
Communication Technology

Deputy director of international
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KTH Royal Institute of Technology

One of the top technical universities in Europe





Short facts about KTH

- Established 1827 in Stockholm, Sweden – home of the Nobel Prize
 - 14,000 students including 2,000 PhD students, 5,000 employees of which 600 members of faculty
 - People from more than one hundred nations
 - World-leading research and education in ICT, Energy & Sustainability and Life Science, among other fields
 - Ranked top 5 of technical universities in Europe
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Short facts about KTH

- World-Wide QS subject rankings
 - Electrical Engineering: 16
 - Architecture and Built Environment: 21
 - Mechanical Engineering: 25
 - Civil and Structural Engineering: 37
 - Materials Science: 39
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The Kingdom of Sweden

- About 9.8 million inhabitants, ~2 million of whom live in the capital of Stockholm
- Has a pleasant climate thanks to the warm Gulf stream in the north Atlantic sea
- Combines a beautiful natural setting with modern technology and vibrant cities
- Home of the Nobel Prize, and many famous export companies

Do you know which?



Sweden makes a lasting impression

Swedish entrepreneurship and ingenuity has helped shape the worlds of communication, furniture, fashion, music and much more. And no matter what the industry, there always seems to be that engineering approach.



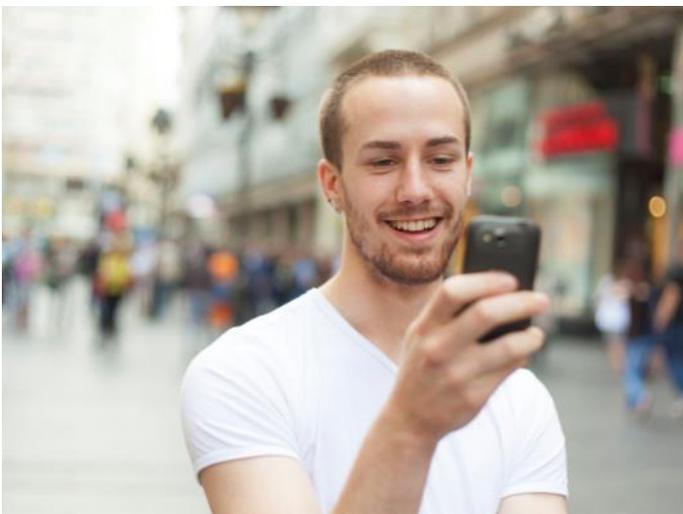
Stockholm – a city of islands



Stockholm: an international city

- A **safe and clean** multi-cultural European capital with communities from China, India and other countries
 - Quick access to city, campus and nature with excellent transportation, by bicycle or boat
 - **Swedes speak good English**, very limited need to learn any Swedish while studying in Stockholm
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Stockholm: a dynamic environment, modern, historic, clean air and water



Stockholm: cost of living

9 Cities in China more expensive than Stockholm
in world-wide comparison

Rank 2015	City	Country
• 6	Shanghai	China
• 7	Beijing	China
• 12	London	United Kingdom
• 14	Shenzhen	China
• 16	New York City	United States
• 15	Guangzhou	China
• 21	Shenyang	China
• 24	Qingdao	China
• 26	Nanjing	China
• 27	Tianjin	China
• 29	Chengdu	China
• 106	Stockholm	Sweden





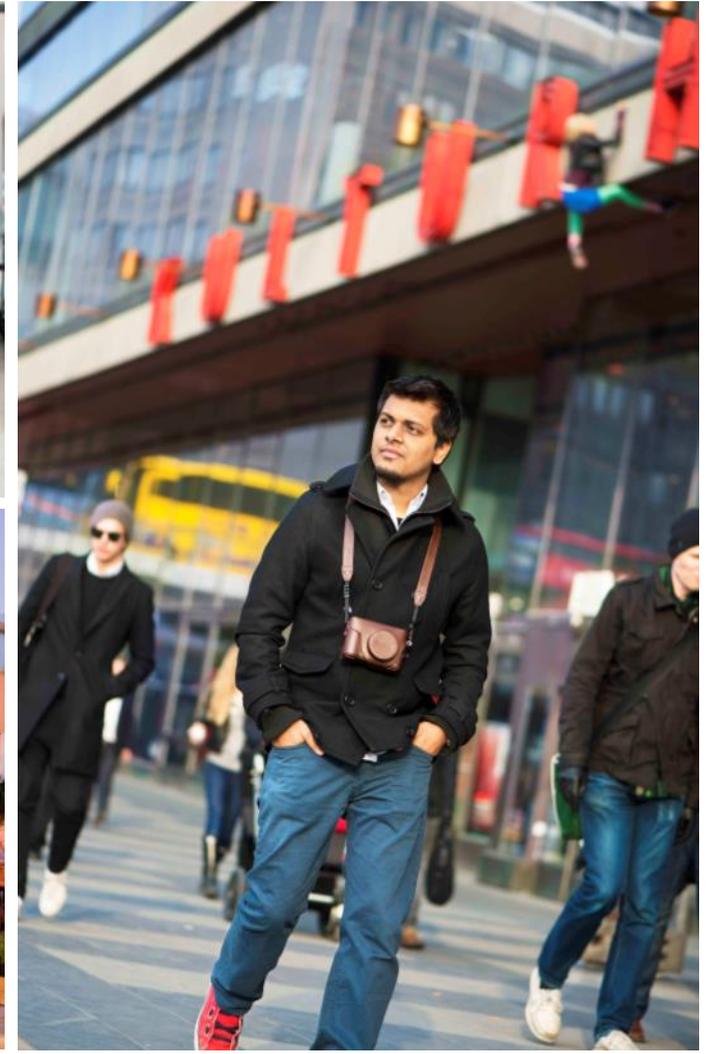








Stockholm student life, part of the city



Examples of social activities for international students:

Picnic in the summer

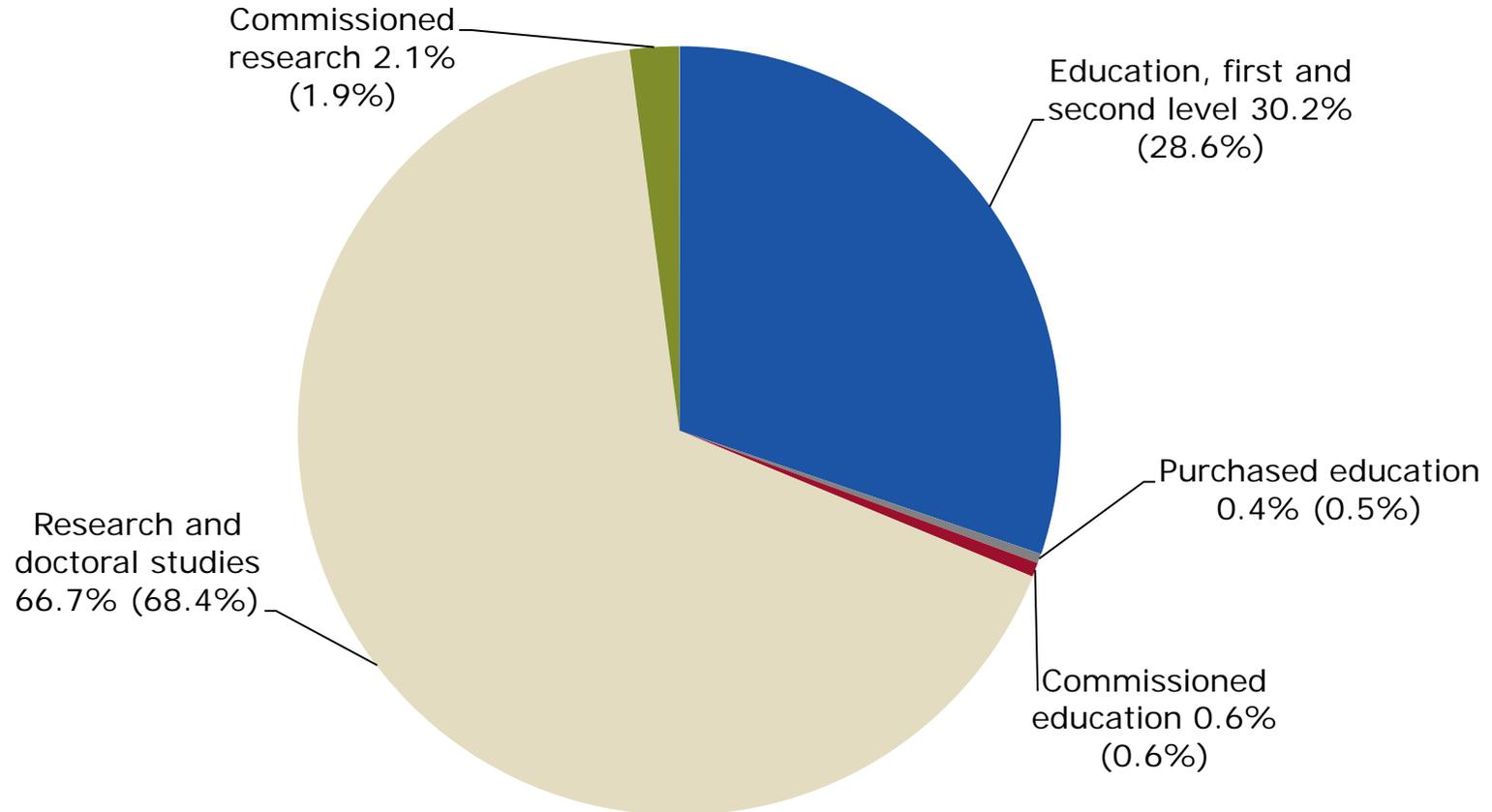


Ice skating in the winter



Research-based operations

- *Total Revenue SEK 4,243 (4,038) million*



- Figures for 2014 (2013)

世界瞩目的科研实力



Two presidents: 美国总统、KTH校长
一同观摩KTH有关燃料电池研究的最新进展

Picture taken September 4, 2013

Five campuses close to industry

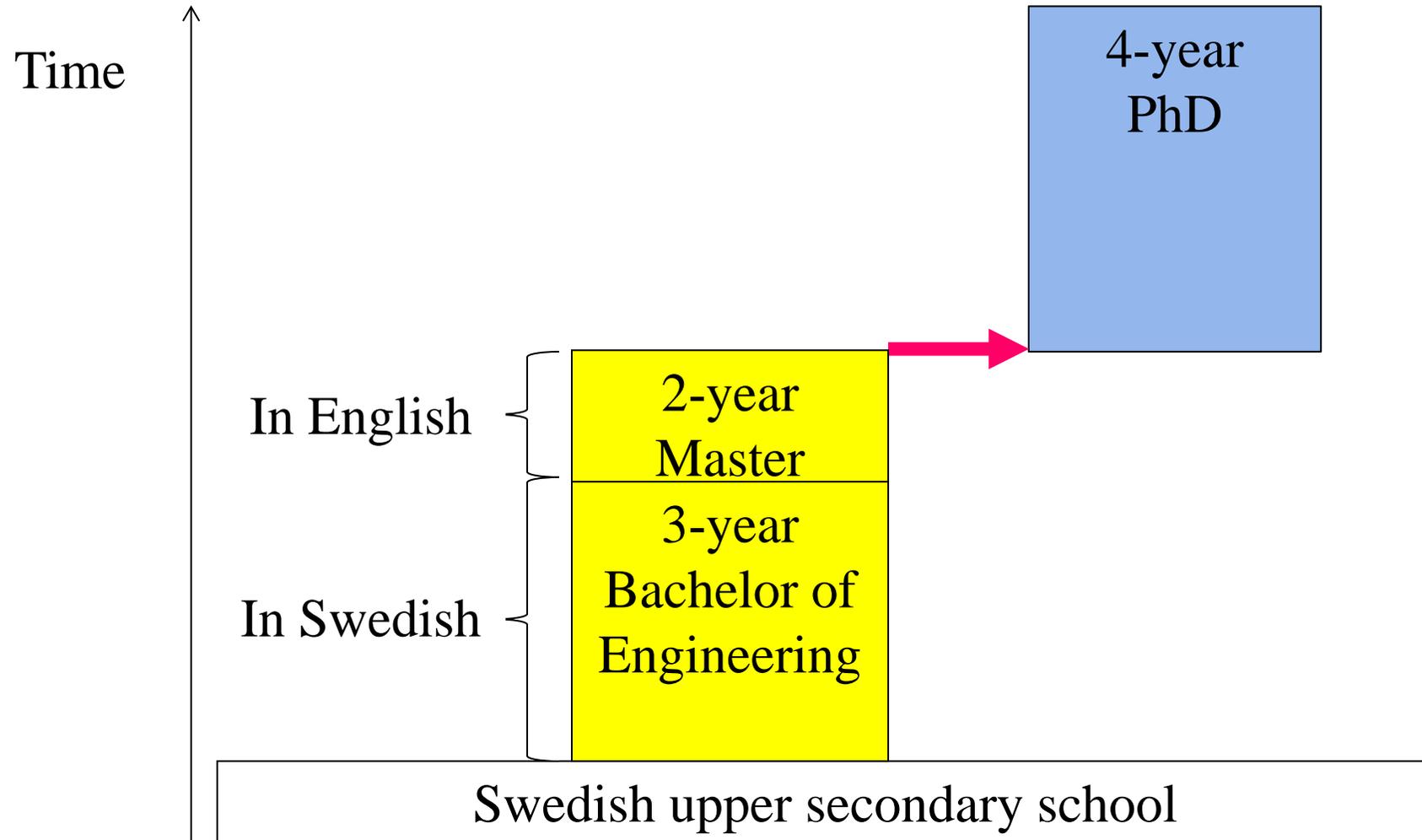




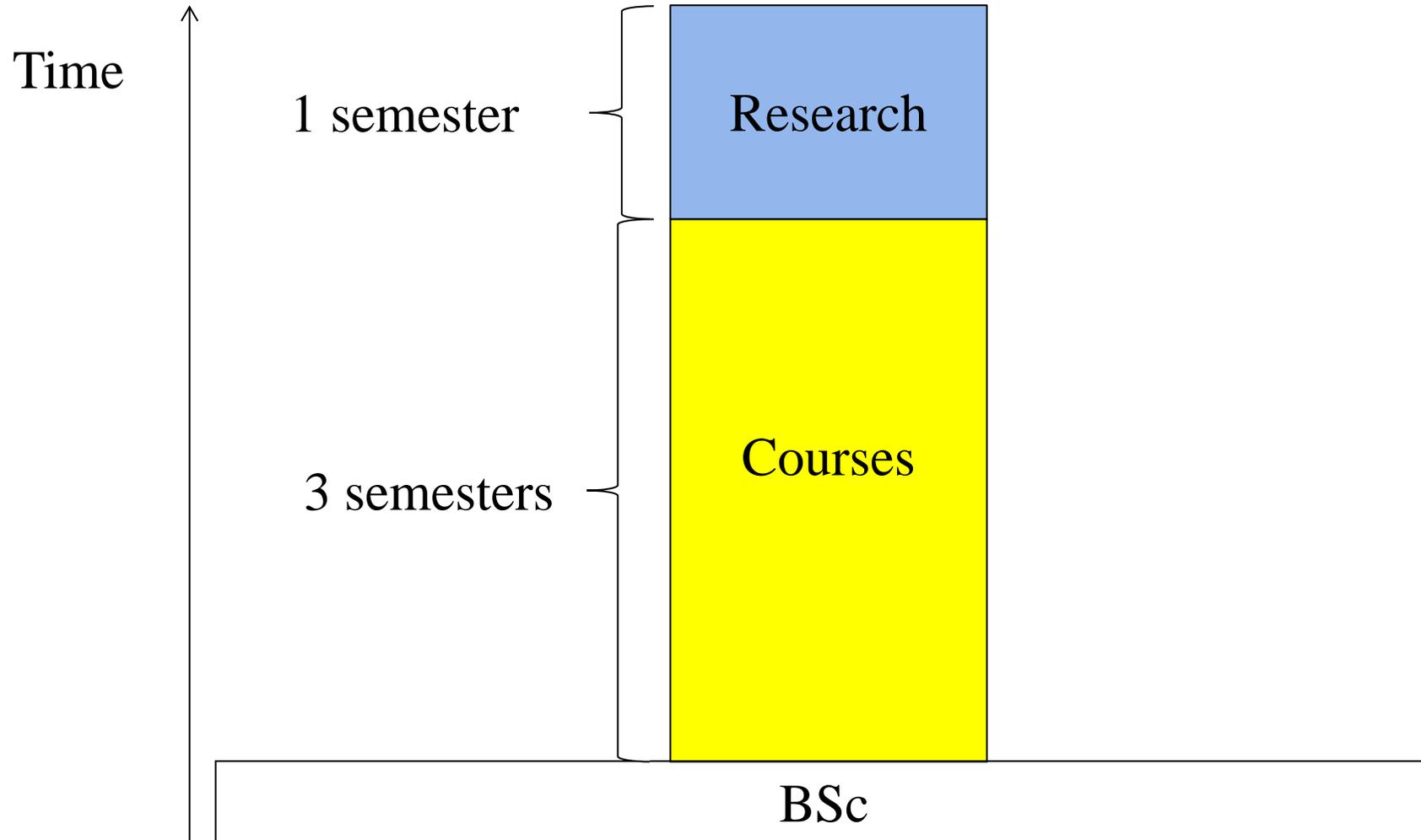
Education in close collaboration with industry

- KTH has five campuses in and around Stockholm city
 - Each campus closely integrated with local industry
 - Campus in Kista is surrounded by the world's largest collection of ICT businesses, more than 1000 companies, such as Ericsson, IBM, Intel, Sun, Compaq, Huawei, ZTE, and many more
 - Final thesis can be written at a company, often leading to the first job after graduation
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Structure of education at KTH



Structure of MSc education at KTH



MSc programmes 2015/2016

9 subject areas, >60 programmes:

- Architecture and Civil Engineering, 9 programmes
- Electrical Engineering, 11 programmes
- Engineering Physics and Mathematics, 6 programmes
- Energy and Sustainable Development, 10 programmes
- Industrial Management and Innovation, 3 programmes
- Information and Communication Technology, 10 programmes
- Life Science Technology, Chemistry and Chemical Engineering, 7 programmes
- Materials Science and Engineering, 3 programmes
- Mechanical Engineering, 9 programmes

Fees and Scholarships

- There are application and tuition fees for non-EU/EEA/Swiss citizens for 1st and 2nd cycle studies (BSc and MSc)
 - The tuition fee is SEK145k (about RMB 110k, 11万人民币) for one year of full-time master study, architecture 70% higher and bachelor 20% lower
 - Scholarships are available, for example:
 - KTH Scholarship (covering the tuition fee)
 - SI: the Swedish Institute
 - Joint programs: Erasmus Mundus and EIT (European Institute of Innovation and Technology)
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Living in Sweden

When applying for a residence permit, you must prove to the Swedish Migration Board that you will have a guaranteed sum of money at your disposal throughout the entire period of your studies. The amount is SEK 7300 (ca RMB 6000) per month for ten months of the year

Recommended student budget for one month in Stockholm is SEK 7-10000 (approx RMB 6000-8000)



Joint MSc programmes: two degrees

European Institute of Innovation and Technology (EIT)

- Combines education, research and business
- Master's programmes in ICT and Sustainable Energy
- Includes studies in two European countries
- Scholarships included

Erasmus Mundus

- EU programme at Master's and PhD levels
 - Includes studies in (at least) two European countries
 - Scholarships covering tuition and living are available
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Application requirements and process

- Completed Bachelor's degree is required
- English proficiency has to be shown (TOEFL 90, IELTS 6,5 etc), but there is flexibility for interviewed students from partner universities, interviews in December 2015
- There are programme-specific requirements (see www.kth.se/en/studies/master)
- Apply at www.universityadmissions.se
- Online application period:
October 16 to January 15





SEU-KTH partner program

SEU students can apply during the last year of their BSc studies and be interviewed by KTH in December 2015: increases chances of scholarship

Language requirements may be slightly lowered after a successful interview

The applications can be directed to all KTH MSc programs, the normal prerequisites are required for each program

Applications are made at universityadmissions.se,
January 15, 2016



SEU-KTH exchange program

SEU students can apply for exchange studies at KTH. Deadlines: April 15 and October 15, see: **KTH / Study at KTH / Exchange studies**

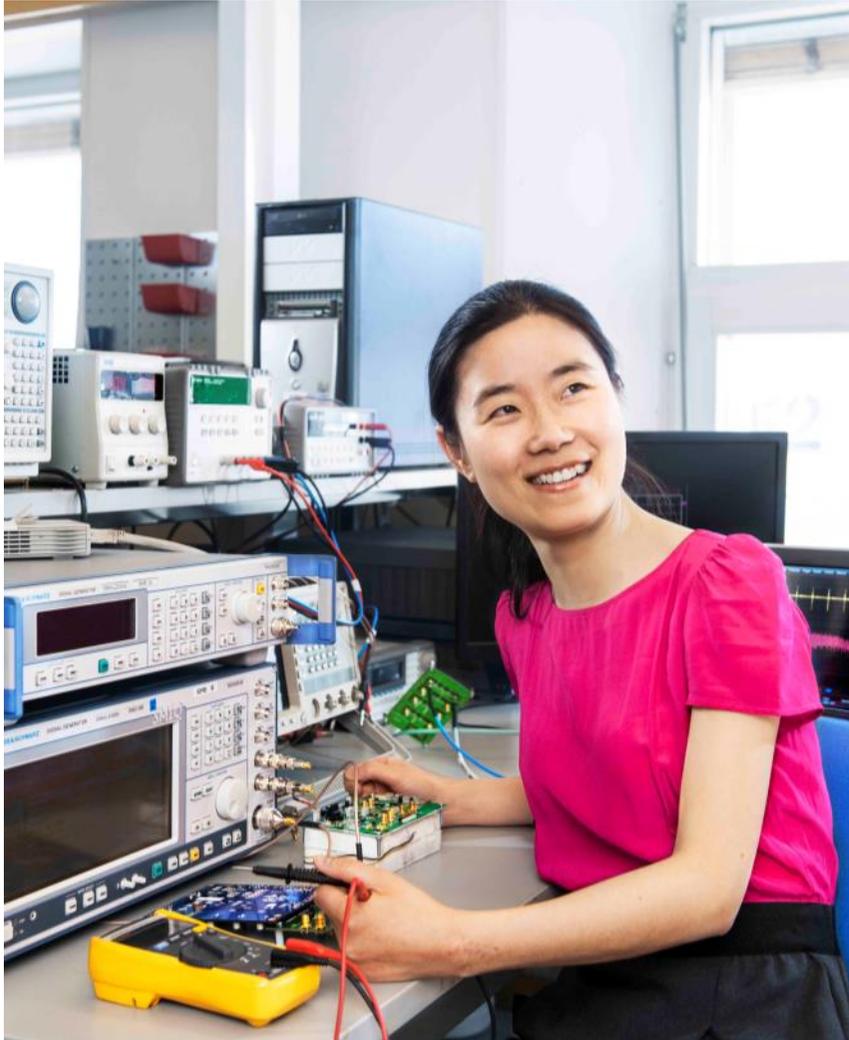
Students can study for up to 1 year and do not have to pay tuition fees for exchange studies (which do not result in a degree)

For more information: contact SEU about exchange studies

After graduation

- After a KTH MSc degree:
 - 6 months residence permit to look for a job or a PhD student position
 - KTH PhD student positions are publically announced at the web site, KTH MSc students may have an advantage
 - In 2014, 10 former KTH MSc students from China enrolled as KTH PhD students with CSC scholarships
 - After a KTH PhD degree: offer of permanent residence permit in Sweden
 - KTH graduates find positions all over the world
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PhD studies



- Three years of full-time research, one year of courses
- Engages more than 2,200 people
- A large proportion international PhD students
- A candidate has to apply for a position
- All PhD student positions are announced on the KTH web site: www.kth.se/en/om/work-at-kth/vacancies
- Employment with a salary if admitted, but competition for positions



KTH – CSC Program

KTH 公派项目

- Thanks to an agreement between KTH and the Chinese Scholarship Council (国家留学基金委), a number of scholarships can be offered to Chinese citizens applying to KTH. The scholarships available are aimed for PhD students, Postdocs and Visiting Scholars.
- Every year,
 - 50 scholarships for Full PhD (48 months);
 - 20 for Guest Doctoral Studies (up to 24 months)

See more:

- www.kth.se/gongpai-china
 - china.kth.se
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KTH alumni hold prominent positions

- Graduates find careers in international companies like Ericsson, IBM, ABB, Astra Zeneca and Microsoft
 - Many MSc students do the master thesis project at, or in cooperation with, a company. In 2009, more than half of the graduates had accepted jobs before completing their studies
 - KTH is the leading supplier of CEOs for Swedish industry
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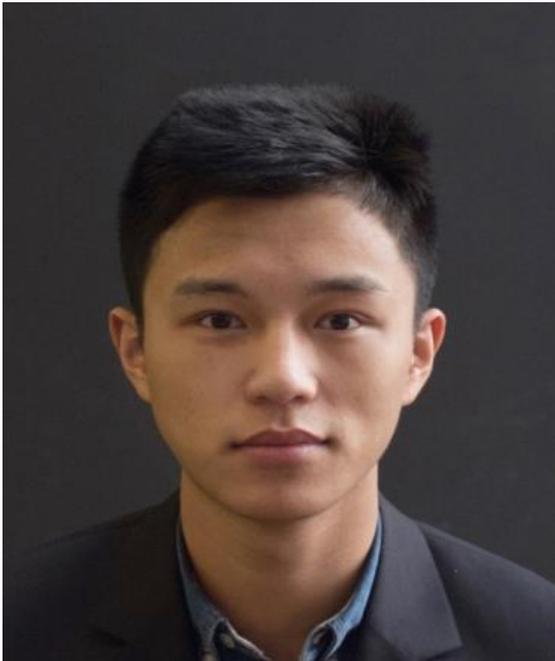
Things you can do after finishing education at KTH...



Network Engineer
TeliaSonera, Sweden

- Master in Network Services and Systems
KTH, 2015
 - Bachelor in Optoelectronic Engineering
Harbin Institute of Technology, 2013
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Things you can do after finishing education at KTH...



Founder and CEO of Sensory Media Ltd.
London, UK

- Master in ICT Innovation (EIT)
University College London, 2014
KTH, 2013
- Bachelor in Industrial Design
Zhejiang University, 2012

Things you can do after finishing education at KTH...



- PhD Candidate in Human-Robot Collaboration
KTH 公派博士生
- Master in System, Control and Robotics
KTH, 2014
- Bachelor in Control Technology
Southeast University, 2012

Things you can do after finishing education at KTH...

Postdoc in Chemical Engineering
Stanford University, USA

- PhD in biotechnology
KTH, 2014
- Research Assistant
Pharmaceutical in Guangzhou Holdings
广州医药集团-广州白云山化学药创新中心, 2010
- Master in Pharmacology
Nankai University, 2008



Things you can do after finishing education at KTH...



仇旻 教授

Professor in Photonics, KTH

Director of State Key Laboratory of Modern Optical Instrumentation, Zhejiang University

- PhD in Electromagnetics
KTH, 2001
- PhD in Physics
ZJU, 1999

Things you can do after finishing education at KTH...

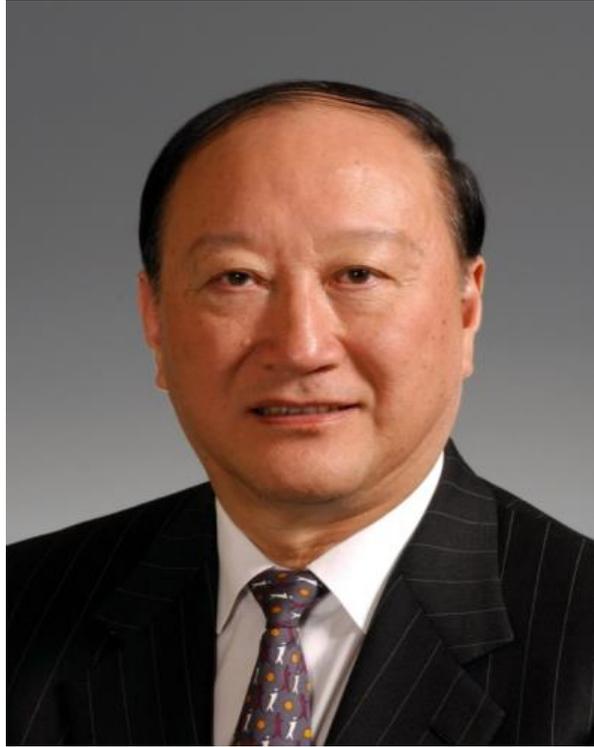


顾纯元 博士

Chairman & President
ABB North Asia and China

- PhD in Mechanical Engineering
KTH 公派博士生, 1987
- Bachelor in Power Engineering
Shanghai Jiao Tong University, 1982

Things you can do after finishing education at KTH...



徐匡迪 院士

- Vice Chairman of CPPCC National Committee
第十届全国政协副主席, 2003-2008
- Chairman of CAE, 中国工程院院长, 2002-2010
- Mayor of Shanghai, 上海市市长, 1995-2001
- Senior Researcher in Material Sciences
KTH 公派访问学者, 1986
- Bachelor in Metallurgy
University of Science & Technology Beijing,
1959

Things you can do after finishing education at KTH... **go into space!**



Prof. Christer Fuglesang

Professor in Space Physics, KTH

- Mission crew STS-116 & STS-128 Shuttle Discovery, NASA-ESA 2006 & 2009
- Astronaut at European Space Agency 1992-present
- CERN, Switzerland, 1991
- PhD in Experimental Particle Physics Stockholm University, 1986
- Master in Engineering Physics KTH, 1981

Things you can do after finishing education at KTH... **collect the Nobel prize!**

Prof. Hannes Alfvén



- Nobel Prize in Physics, 1970 for Magnetohydrodynamics
磁流体力学 (等离子物理)
- Professor in Electrical Engineering
University of California, 1967-1991
- Professor in Electromagnetic Theory
and Electrical Measurements
KTH, 1940-1991
- PhD in Electromagnetic Waves
Uppsala University, 1934



Welcome to KTH: launch your career!

