

Welcome to KTH

KTH, the Royal Institute of Technology
Excellence in Education, Research and Entrepreneurship



KTH in Stockholm

KTH was founded in 1827 and has remained the largest of Sweden's technical universities. Since 1917, activities have been housed in central Stockholm in beautiful buildings which are currently protected as being of special historical interest.



School of **Architecture and the Built Environment**

School of **Biotechnology**

School of **Computer Science and Communication**

School of **Electrical Engineering**

School of **Industrial Engineering and Management**

- **Subschool of Energy and Environmental Technology**

School of **Information and Communication Technology**

School of **Chemical Science and Engineering**

School of **Engineering Sciences**

School of **Technology and Health**

Undergraduate Programmes 2004

ALL PROGRAMMES

- 4,069 new admissions; 24% women and 76% men
- A total of approximately 17,000 programme students

270 ECTS CREDIT PROGRAMMES (4.5 YEARS)

- Architects
- 14 M.Sc. Programmes
- 1,346 graduations; 33% women and 67% men

180 ECTS PROGRAMMES (3 YEARS)

- 9 B.Sc. Programmes
- 451 graduations; 31% women and 69% men

INTERNATIONAL PROGRAMMES

- 23 International Master's Programmes taught in English

INTERNATIONAL STUDENT EXCHANGES

- 672 KTH students were studying abroad
- 1,312 foreign students were studying at KTH



Postgraduate Studies & Professors 2004

POSTGRADUATE STUDENTS

- 1,609 active postgraduate students with a minimum of 50% activity; 28% women and 72% men

DEGREES

- 195 licentiate degrees awarded; 25% to women and 75% to men
- 224 doctoral degrees awarded; 22% to women and 78% to men

Professors

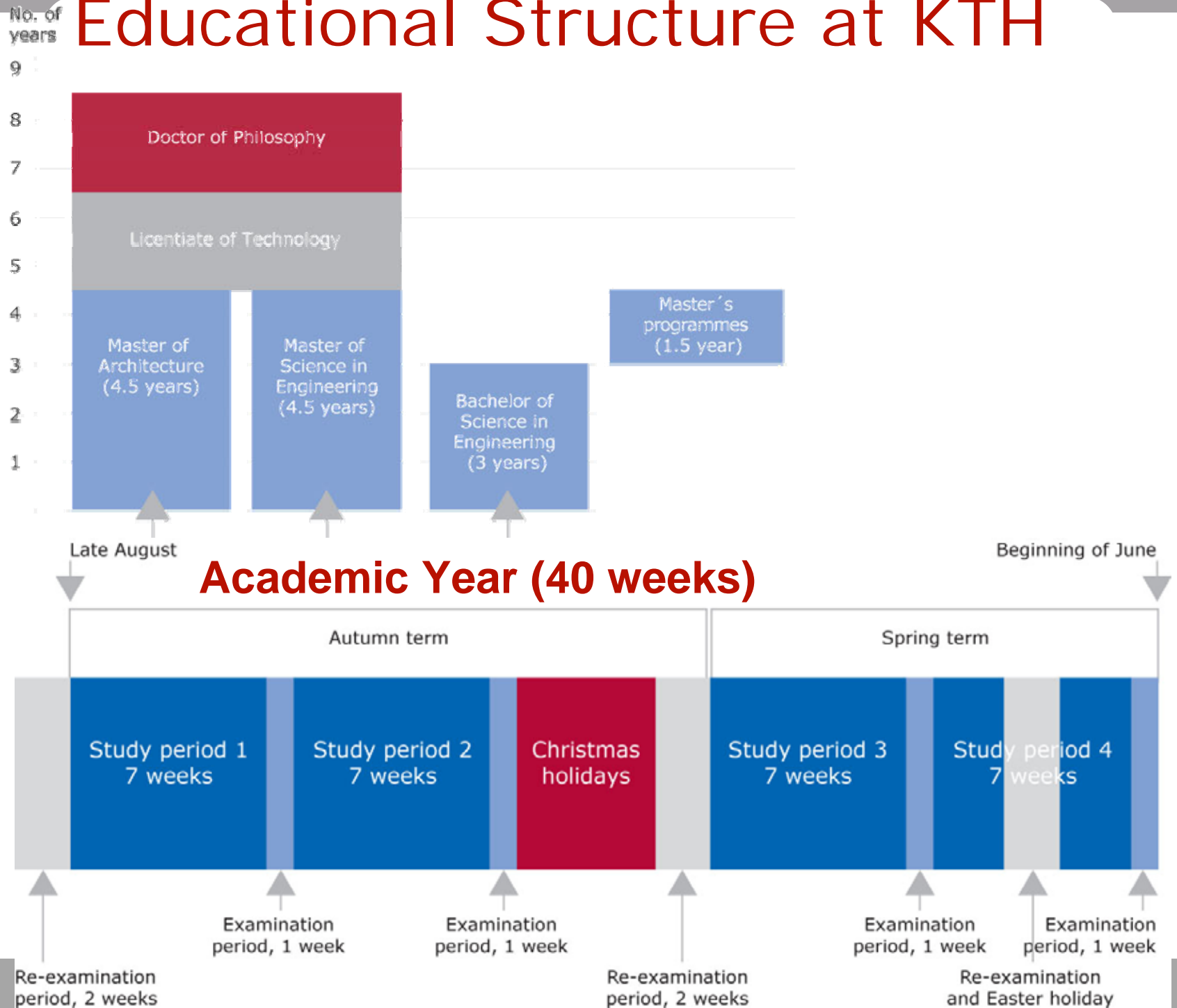
- 231 professors
- 7 part-time consulting professors
- 242 associate professors





ROYAL INSTITUTE OF TECHNOLOGY

Educational Structure at KTH



School of Energy and Environmental Technology

- The school coordinates the educational and research activities in the area of energy and environment.
- The school focuses on industrial, technical and economic knowledge which are of paramount importance in today's society.
- The school has associated the KTH Energy center which is the main entry point for energy-related education, research, consulting, and other activities at KTH.



Heat and Power Technology, Stockholm, Sweden

Education at the School of Energy and Environmental Technology

Master programs

- Sustainable Technology
- Sustainable Energy Engineering (SEE)
- Kompetensinriktning Energiteknik
- Distance SEE
- Energy-Online
- Industrial SEE Masters program in co-operation with energy related companies in a specific region in Sweden.

KTH Energy Center Postgraduate Research College



Heat and Power Technology, Stockholm, Sweden



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KTH's Role in the Project

- **Responsible for the training in Open Learning Unit preparation based on the CompEdu platform**
- **Support in the preparation of units to Open Learning Unit format**
- **Serve as a test case for the use of the open learning units in courses at MSc level and as training units for PhD studies**
- **To participate in the assembly of companies, organizations and institutions database**
- **Testing and Marketing of Open Learning Units as Industrial Short Courses**
- **Implementation of Stand Alone Short Courses**



Heat and Power Technology, Stockholm, Sweden

CompEduHPT

- The CompEdu platform is an inexpensive, low cost gateway to self-study on-line and/or on-campus learning, education and training of heat and power technology.
- The platform can be used as a self-study or as part of university courses on the topic.
- The platform consists of:
 - e-pages
 - animations
 - videos
 - virtual study visits
 - quizzes
 - simulations
 - calculation exercises
 - lecture notes
 - case studies
 - virtual lab exercises
 - Remote lab exercises



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Welcome to CompEdu HPT Web

Rich off-line content of the Computerized Educational Platform is being currently moved to Web. You will find a table of contents of the off-line version [here](#). More information about CompEdu in general is available [here](#).

COMPEDU LIBRARY

HEAT & POWER TECHNOLOGY

Ludwig Boltzmann (1844-1906)

Ludwig Boltzmann was awarded a doctorate from Vienna in 1866.

After this he became an assistant to his teacher Josef Stefan. He taught at Graz, moved to Heidelberg and then to Berlin. In these places he studied under Bunsen, Kirchhoff and Helmholtz.

To start navigating WebCompEdu, use the panel to the left.