School of

Industrial Engineering and Management
KTH in figures

1,582
Doctoral students

42rd
best university in Europe

1,334
Degree of Master of Science in Engineering, yearly

17
Master of Science in Engineering Programmes

9
Bachelor of Science in Engineering Programmes

155th
best university in the world

13,583
full time equivalent students

4,026
employees
The ITM Management team

Deputy Head of School
Anna Jerbrant

Head of School
Pär Jönsson

Second Deputy Head of School
Mats Magnusson

Head of Departments and University Administration ITM

Industrial Economics and Management
Head of Dept. Cali Nuur

Engineering Design
Head of Dept. Martin Edin Grimheden

Material Science and Engineering
Head of Dept. Joakim Odqvist

Learning
Head of Dept. Arnold Pears

Energy Technology
Head of Dept. Björn Laumert

Production Engineering
Head of Dept. Magnus Wiktorsson

University Administration
Head of Admin. Christina Carlsson

University Administration
Deputy Head of Administration Jenni Hollbrink
Core business ITM

Faculty
326 employees and affiliated
41 Professors, 14 Adjunct / Affiliated Professors, 62 Associate Professors,
10 Assistant Professors, 64 Lecturers,
19 Postdocs and 116 Researchers.

Third-cycle education
171 Doctoral Students

First and second cycle education
Approx 3200 students
Core business ITM

Faculty

Andrew Martin
Responsible for Future Faculty

Mats Magnusson
Second Deputy Head of School and Director of Third-Cycle Education

Anna Jerbrant
Deputy Head of School and Director of First and Second Cycle Education

Third-cycle education

First and second cycle education
Administration

85 employees
Internationalisation
Studies

- Bachelor of Science in Engineering
- Master of Science in Engineering
- Licentiate of Engineering
- Master of Science
- Doctor of Philosophy

Year
- Y1
- Y2
- Y3
- Y4
- Y5
- Y6
- Y7
- Y8
- Y9

Cycle
- First Cycle
- Second Cycle
- Third Cycle

Courses
- Voice of customer (VOC)
- Technisk innovation
- Konkurrentanalyser
- Avvikelse från specifikation
- Key performance indicators (KPI)
- Trender i resultat/ processor/ produkter
- Revisionsresultat
- Tillbud/arbetspelatsolyckor
- Identifierade risker
- Nya idéer på marknaden
Programmes in first and second cycle

Master of Science in Engineering Programmes (300 credits)
- Engineering and Education
- Energy & Environment
- Industrial Engineering and Management
- Industrial Technology and Sustainability
- Materials Design and Engineering
- Mechanical Engineering
- Design and Product Realisation

Bachelor of Science in Engineering Programmes (180 credits)
- Industrial Technology and Production Maintenance
- Mechanical Engineering
Programmes in third cycle

Doctoral Programmes

- Energy and Environmental Systems
- Industrial Economics and Management
- Production Engineering
- Machine Design
- Engineering Materials Science
- Education and Communication Studies
Our campuses

KTH Campus
Most of the Master of Science in Engineering Programmes are located on KTH Campus as well as several common student support functions.

Address: Brinellvägen 8, 100 44 Stockholm,

KTH Södertälje
The programmes have close connection to the private sector, and the students have ongoing contact with companies like Scania and AstraZeneca.

Address: Kvarnbergagatan 12, 151 81 Södertälje,
Research areas

Energy Technology
The Department of Energy Technology aims at contributing to welfare and development through world class research and education in innovative energy technologies and systems, and promotion of the energy sector transition towards sustainability.

Industrial Economics and Management
Research in economics, business management and organization. Behind the profile of the department is a firm conviction that modern society has a need for expertise in advanced technical depth combined with strong insights into the economy and leadership.

Learning
The department has developed research into learning in order to take a holistic approach to research in learning at all levels, from pre-school to college. Current research areas are digital learning, global competence, engineering education in society, studies in higher education organization (HEGIS) and the didactics of science and technology.

Engineering Design
Product development is the overarching theme of research at the department. The inter-disciplinary research activities can be summarized in the study of the development process, techniques and design principles as well as those related to physical phenomena.

Production Engineering
The research aims to create sustainable industries and covers all technologies which mainly applies engineering technical development of products and methods that have direct impact on this production. The area includes all aspects from design to production to assembly of parts into functional products as well as recycling issues.

Materials Science and Engineering
The research is conducted on metallic and ceramic materials covering the whole chain Processes – Structures – Properties. The activities include experimental work as well as modeling on different length scales.
Research Initiative on Sustainable Industry and Society (IRIS)

IRIS is an overall school initiative that started in 2019 with the aim of contributing to increased sustainability in industry and society.

The goal of IRIS is to create strong research environments at the ITM school, and to stimulate new collaborations within and outside the school. IRIS represents a unique opportunity to establish the school at the forefront in research on sustainable industry and society.

Areas of activity

- Sustainable Energy Systems – Technology and Business Perspectives
- Industrial Tranformation Through Sustainable Digitalization
- Integrated Mechanics, Components and Materials Design Including AM
- Innovation Management, Innovation Eco-systems and Entrepreneurship

More about IRIS on kth.se/en/itm
Co-operation
Co-operation - Competence centres

Center for X-rays in Swedish materials science (CeXS)
CeXS is engaging material science researchers in the opportunities of using high-energy X-rays, and aim to strengthen international collaborations in the field.
Director: Peter Hedström

KTH Live-In Lab
The KTH Live-In Lab platform of multiple testbeds can handle many different potential products and services, both separately and combined in a real system.
Director: Jonas Anund Vogel

Climate Action Centre
KTH Climate Action Centre is a multidisciplinary research centre where we work together to speed up climate action in synergy with the UN Sustainable Development Goals.
Director: Francesco Fuso-Nerini

Lean Center
Competence center with a focus on management and systematic improvement of work processes and organizations. Lean Center is a link between research, business and the public sector, and offers education, seminars and qualified coaching.
Director: Johanna Strömgren

Design & Management of Manufacturing Systems (DMMS)
DMMS is a center of excellence in the field product development with a focus on production. In close collaboration with its partners Scania, Sandvik, Swerea IVF and Chalmers MCR, they spread competence within areas like advanced component manufacturing, methodology and digital production support.
Director: Andreas Archenti

KTH:s centrum i inbyggda system (ICES)
ICES involves members from several KTH schools working closely with a wide range of industrial partners. The aim is to tackle the issues faced by those researching and working in the increasingly complex field of embedded systems today.
Director: Martin Törngren

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Integrated Transport Research Lab (ITRL)
ITRL is a multidisciplinary and multi-stakeholder arena. Our mission is to explore sustainable mobility solutions that greatly reduce CO2 emissions and are economically viable and socially accepted.
Director: Jonas Mårtnesson

Trustworthy Edge Computing Systems and Applications (TECoSA)
TECoSA is a Vinnova center with 13 industrial partners. Its aim is to provide safe and secure edge computing technology. Edge computing is a new computer level located between the devices/embedded systems and the cloud, on the “edge of the cloud”.
Director: Martin Törngren

Center for Mechanics and Materials (MMD)
The Center brings together the two disciplines Mechanics and Materials Science in order to speed up the processes for producing better materials. The long-term goal is a renewed and strengthened education at the basic, advanced and research levels in the field.
Director: Carl Dahlberg

Co-operation - Competence centres
Co-operation

Other center like organisations

House of Science
(Vetenskapens Hus)
Welcome to Stockholm and Vetenskapens Hus to explore modern science subjects including biology, chemistry, mathematics, physics as well as engineering.

Director: Marcus Angelin

Excellence in production research (XPRES)
XPRES is a platform for production research to meet the future challenges for the Swedish industry.

Director: Antonio Maffei

More about co-operations on kth.se/itm/samverkan