



Stockholm
Summer
School





Three top universities - one lifetime experience

Three major universities in the capital of Sweden have joined forces to create a summer school. We offer the possibility to discover a wide range of quality education in an exciting environment.

Stockholm University

Stockholm University – home of outstanding education and research, and a place where open minds meet, discuss and develop.

The University participates in regional, national and international collaboration, in public discussions and social change.

At Stockholm University 60,000 students and 5,000 members of staff are active in the areas of science, the humanities, social sciences and law.

Karolinska Institutet

Karolinska Institutet offers the widest range of medical education under one roof in Sweden.

Good ranking positions and being the home of the Nobel Assembly have given Karolinska Institutet a good reputation worldwide.

Karolinska Institutet offers seven Global Master's Programmes in medicine and health sciences. A master's degree at Karolinska Institutet may very well be the first step towards a PhD at the same or another well renowned partner university somewhere in the world.

KTH Royal Institute of Technology

KTH is Sweden's largest and most internationally diverse technical university and accounts for one-third of Sweden's technical research and engineering education capacity at university level.

Education and research cover a broad spectrum – from natural sciences to all the branches of engineering as well as architecture, industrial engineering and management, urban planning, work science and environmental engineering.



Stockholm
University

The Swedish Model: The Making of a Welfare State in a Comparative and Historical Perspective

This course discusses what has been known as "the Swedish Model", a model that generated a prosperous welfare state for several decades.

It explores the historical context and political circumstances that produced this model and takes a critical stance based on an analysis of gender, class and ethnicity. This comparative perspective is an important aspect of the course. The course also focuses on the actors on the labour market, and how the welfare system was organised.

Furthermore, the course discusses the discursive and concrete changes of the model over time, including the welfare state's retrenchment.

Astroparticle Physics and Cosmology

This course will focus on the key elements of particle physics including: the Standard Model with the Higgs mechanism for mass generation; astroparticle physics with gamma-ray and neutrino production and detection, and cosmology with emphasis on the rapidly growing suite of observational techniques.

The major problems pertaining to dark matter and dark energy will be explained. In the latter part of the course, exercises and small projects will be set up and solved, under the guidance of teachers who are actively involved in research in frontline international projects.

For ambitious students, who may wish to continue with university studies, suitable Master's projects will finally be identified.

Climate Change Throughout Earth's History

Over the Earth's 4.6 billion year history its climate has varied significantly, both driving and being driven by planetary changes. In studying these past changes we can better understand the complex interactions occurring within the climate system and better predict future scenarios.

This introductory course will look at the tools used by climate scientists to reconstruct past climate change. We will investigate natural archives and their proxies as well as look at how we date these records. We will also examine several key snapshots in geological time and discuss important processes and their relevance to our current understanding of anthropogenically driven climate change.



**Karolinska
Institutet**



Bioentrepreneurship

Do you want to profile yourself for your future career? In this course you will be introduced to the basics in product and service innovation within life science.

The course will also provide you with an overview of the life science market as well as business development opportunities in the life science industry.

After completing this course you will have gained transferrable skills in project management, communication and networking. The format is based on real life case studies.

You will work with practical projects and cases, meet with entrepreneurs and take part in interactive seminars where you will learn from and with each other.

Global Health

The global health summer course provides an understanding of global health variations between and within countries. The course combines different teaching methods: lectures, group discussions, self study and computer sessions based on exercises using online digital resources (such as Gapminder.org and childmortality.org) to plan and present reports on the health of nations.

An added value is that the course will include students from different parts of the world which creates an intercultural learning and teaching environment.



ROYAL INSTITUTE
OF TECHNOLOGY



Foto: Emanuel Almborg

Introduction to Building Information Modeling

"Building Information Modeling (BIM) integrates all of the geometric model information, the functional requirements and capabilities, and piece behavior information into a single interrelated description of a building project over its life cycle. It also includes process information dealing with construction schedules and fabrication processes"

Chuck Eastman, Ph.D,
Georgia Tech College,
Architecture and Computing.

How is this done? In this introductory course you will have lectures with top BIM-specialists, academic as well as from the industry. You will hear about different projects fields where BIM has been implemented successfully, from infrastructure projects to facility management. You will also acquire some basic knowledge of different BIM-programmes and create your own BIM-project.

Polymers for Future Society

Polymers have truly transformed everyday life and are today involved in every aspect of our lives from health care and information technology to food, transportation and energy sector. The development continues at accelerating speed and polymers, synthetic and natural, are important elements in future innovations and sustainable society. This course provides the students with the basic knowledge in polymer science and engineering illustrated in modern context and with state-of-the art materials. The course is based on lectures, discussion seminars and a project.

The students will together seek solutions to practical problems and the projects will focus on the trends and the latest innovations within polymer science such as the role of polymers within health care and tissue engineering, energy sector, biobased society, sustainable development and so on.

Stockholm, your study destination

Stockholm is the largest university city in the Nordic countries and the home of 75,000 students of which 5,000 are international students. There are plenty of reasons why you should pick "The Capital of Scandinavia" as your study destination.

KTH, Karolinska Institutet and Stockholm University will offer a number of activities. The courses will be accompanied by a series of lectures held by prominent researchers from all three universities. An exciting and widely varied social activity programme with a full range of on and off-campus social activities such as dinners, outdoor activities, concerts, movie nights, midsummer festivities, picnics and cruises in the Stockholm archipelago will offer you a chance to get to know Stockholm and friends from all around the world.

Price, course period and accommodation

Course length: 4 weeks

Course start–distance learning element: Monday 10 – Friday 14 June

Arrival day: Sunday 16 June

Course on location: Monday 17 June – Friday 5 July

Credits: 6 ECTS

Course fee: 12 000 SEK for non EU/EEA/Swiss citizens

Accommodation cost: 3 500 SEK

Admission requirements: 90 ECTS credits or equivalent in the relevant field of study depending on the course you wish to apply for, from an internationally recognised university. Proficiency in English equivalent to English B. For details on specific requirements for the summer courses and/or minimum English language tests results required, please see www.stockholmsummerschool.se

Application period: 21 January – 1 March 2013

Apply at: www.universityadmissions.se

For further information: www.stockholmsummerschool.se

General information and student services:
stockholmsummerschool@ki.se

Useful links:

www.studyinsweden.se

www.studyinstockholm.se

www.swedenintouch.se

www.stockholmtown.com

www.ki.se/education

www.kth.se/int

www.su.se/english



Student voices

“I chose Stockholm Summer School because of quality, length and relevancy of course. Also, Stockholm’s long summer days!”

“Well arranged, the kit was great!”

“I love the concept of summer schools; going abroad, networking and learning. It’s win win win!”

“I wanted to visit Sweden in another way. The academic perspective offered a welcome possibility and challenge.”

www.stockholmsummerschool.se

