



$$\sin^2 x + \cos^2 x = 1$$

$$\cos(x+y) = \cos x \cdot \cos y - \sin x \cdot \sin y$$

$$\sin(x+y) = \cos x \cdot \sin y + \sin x \cdot \cos y$$

$$x^2 + px + q = 0$$

$$x = -\frac{p}{2} \pm \sqrt{\left(\frac{p}{2}\right)^2 - q}$$

WELCOME TO BTH
2020

DEAR STUDENT,

Congratulations on your study place at Blekinge Institute of Technology. I'm honoured that you have chosen BTH for your education. I hope you will find your time here rewarding both for your studies and for your personal well-being. This brochure contains practical information that will be useful to you.



Mats Viberg
Vice-Chancellor

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ABOUT BTH

Blekinge Institute of Technology, BTH, has a distinctive focus on the digitalisation of society and sustainability. BTH offers quality education in a creative and attractive study environment located by the Baltic Sea. This makes BTH one of the top universities among all Swedish higher education institutions in terms of the number of applications received each year from international students.

INTERNATIONAL ENVIRONMENT

Among the 5 200 registered students at BTH, there are currently more than 550 international students. Most of these students are admitted to our Master's programmes offered in English. The students, together with the staff, represent around 70 different countries.

BTH works proactively with internationalisation at home (IaH). To enhance our multicultural environment we develop study programmes with an international focus. For the same reason our study programmes co-operate with important bodies in the surrounding region (companies, municipalities, etc) and organise social activities.

RESEARCH

The research at BTH is conducted at two faculties within the fields of engineering, IT, spatial planning, industrial economics, design and health sciences.

In 1999, BTH was granted the right to give PhD programmes in engineering. Today we run PhD programmes in "IT with applications" and "Planning and Management".

BTH IN THE RANKING LISTS

BTH is among the world's most outstanding higher education institutions within software engineering and sustainable development. In systems and software engineering, BTH is ranked sixth in the world and first within the EU, according to the Journal of Systems and Software.

BTH is also considered to be the best in Sweden and in third place within Europe for sustainable development, according to a report from the Alliance for Global Sustainability.

One of BTH's computer science researchers is on the Royal Swedish Academy of Engineering Sciences, IVA's 100 list. The list presents research that can form the basis of innovation in the form of new companies, new products and services, business development or other form of benefit.

USEFUL INFORMATION

You will find information about tuition fees, right of residence and national registration on bth.se/eng/education/. We also recommend that you visit the website of the Swedish Migration Agency for more and updated information.

TUITION FEES

Students with citizenship in a country outside the EU/EEA and Switzerland will be required to pay tuition fees. The tuition fee for studying at BTH for the academic year 2020/2021 is SEK 100 000 (Swedish kronor) comprising 60 credits or SEK 50 000 per semester comprising 30 credits.

If you are required to pay tuition fee, the first payment should be made in advance. The deadline for the payment for autumn 2020 is stated on your personalised tuition fee page at BTH together with other important payment information. If you have been granted a scholarship, the amount awarded will be deducted from your

tuition fee accordingly. For example, if you have been awarded a 50% scholarship, you only need to pay half of the tuition fee. Once the tuition fee for the first semester is paid, you can apply for your residence permit through the Swedish Migration Agency.

RIGHT OF RESIDENCE EU/EEA CITIZENS

EU/EEA citizens are exempted application and tuition fees. As an EU/EEA citizen you have the right of residence in Sweden, which includes that you may study without a residence permit. However, you must register with the Swedish Migration Agency no later than three months after entering the country. The application form is available at the Swedish Migration Agency. If you have any questions, they can be answered by the Swedish Migration Agency. Remember to bring the European Health Insurance Card.



RIGHT OF RESIDENCE NON EU/EEA CITIZENS

Students that are citizens of countries outside the EU/EEA and plan to study in Sweden more than three months must apply for a residence permit at the Swedish embassy or consulate-general in their home country. The Notification of Selection Results received on University admissions is a valid letter of acceptance and must be submitted with the residence permit application.

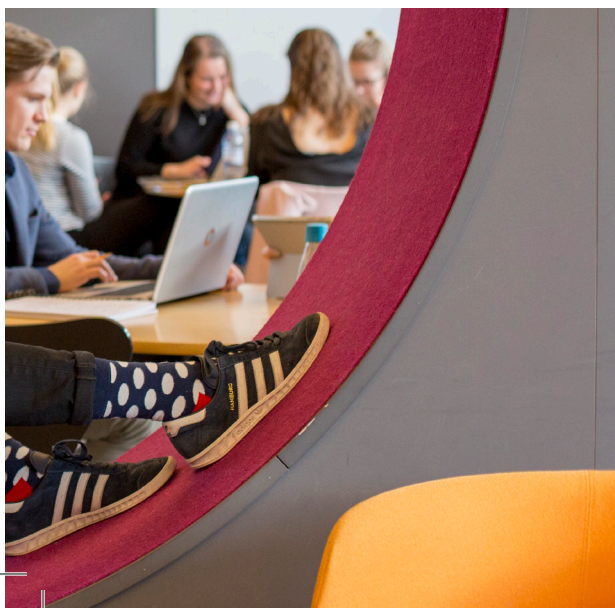
NOTE! If you are required to pay tuition fee, you need to pay the entire fee for the first semester in advance in order to obtain a residence permit. BTH is required to notify the Swedish Migration Agency when the payment has arrived in order for them to be able to grant students their residence permits.

Make sure that you apply for a residence permit immediately after receiving the Notification of Selection Results. The application form is available at the Swedish Migration Agency. If you have any questions regarding your residence permit application,

these can only be answered by the Swedish Migration Agency or the Embassy where you submitted your application. If this application process is delayed and you do not manage to arrive at BTH within the deadline for arrival, you must contact the department responsible for your study programme in order to keep your study place. Some study programmes have different deadlines, so make sure you find out what applies to your programme. If you arrive too late, you will be denied entry to start your studies. You will find contact information in your welcome letter published on the programme website.

LETTER OF ADMISSION FOR EXCHANGE STUDENTS

All exchange students receive a Letter of Admission from BTH. This document is a valid letter of acceptance and must be submitted with the residence permit application.



Swedish Migration Agency:
migrationsverket.se

University admissions:
universityadmissions.se

Blekinge Institute of Technology :
bth.se/eng

STUDENT HEALTH INSURANCE

BTH offers extensive health insurance and national regulations give international students access to Swedish health care. However, it is your responsibility to make sure that you are covered by adequate health insurance or entitled to Swedish health care during your time in Sweden and at BTH.

Below follows a brief summary of the existing insurance coverage together with the terms for access to the Swedish health care system.

Depending on your residence permit, admission or citizenship, there are different categories of student health insurance at BTH. Below you find a description of each category:

Four different categories of student health insurance:

1. Exchange students (students accepted to an exchange programme at BTH) are covered by a collective health insurance financed by BTH. The terms for the insurance are available from Kammarkollegiet, kammarkollegiet.se.
2. EU/EEA citizens are entitled to access public medical services if they are registered at the social insurance office in their home countries. All persons registered at the social insurance office will be issued a European Health Insurance Card (EHIC). In order to receive medical attention in Sweden, EU/EEA citizens need to bring this card with them.
3. Students staying at BTH for 12 months or more, who have a valid residence permit to prove this, are entitled to the national registration at the Swedish Tax Agency. This registration requires all new students to visit the Swedish Tax Agency as soon as they arrive in Sweden, in order to receive a Swedish personal identity number. With national registration, international students have access to health care in Sweden at the same cost as Swedish citizens.
4. Students staying in Sweden for less than 12 months will be covered by a collective health insurance financed by BTH. The terms for the insurance are available from Kammarkollegiet, kammarkollegiet.se.

HEALTH CARE IN SWEDEN

If you get ill you should visit a health care centre (Vårdcentral), close to where you live. Call the Health Care Advice Service, phone: 1177. In case of a serious accident or a sudden serious illness, you must call the emergency telephone number: 112. More information is available on 1177.se/Blekinge/Other-languages/Engelska.

STUDENT HEALTH SERVICE

The Student Health Service help and inspire students at BTH to take care of both body and soul. If you have thoughts and questions about your health or study environment or want to discuss health or lifestyle issues you are welcome to contact the Student Health Service. If they don't have answers to your questions, they'll help you to the right instance.

The Student Health Service is a complement to the existing Swedish health care system not a replacement. The visits are free of charge and they are bound by professional secrecy. Read more on studentportal.bth.se.

Nurse

Email: anna.holmgren@bth.se
Phone: 0455-38 50 79

Counsellor (meetings by appointment only)

Email: sven-erik.arpaker@bth.se
Phone: 0455-38 50 77

STUDYING WITH DISABILITIES

BTH is an open university, accessible to all. As part of this we provide support for students with disabilities. If you have a disability and want to study at BTH you can receive educational support in different ways in the teaching and examination. BTH has a coordinator for students with disabilities. It is important that you contact the coordinator well in advance, so that we can provide you with the best help possible. For more detailed information please go to studentportal.bth.se.

Coordinator for educational support

Ingalill Johansson
Phone: 0455-38 53 69
Email: funka@bth.se

CREATING A POSITIVE ENVIRONMENT

TOLERANCE, RESPECT AND CONSIDERATION MAKES BTH, YOU, AND YOUR EDUCATION BETTER

Here at BTH we educate, we research, and we address the challenges of society. We are part of creating the future and therefore we welcome new thoughts, new people, and new ways of looking at the world – and we expect the same from you.

BTH creates room for learning, development, creativity and new lines of thought. This requires an environment that is challenging and stimulating, but at the same time, safe and friendly. In what we call our learning environment – which means on campus, on visits to companies, in collaborations and relations related to studies and between people, digital or analogue, ...

...we all have the same value and human dignity, which is something you respect and honour. Every day, and in everything we do.

...we meet one another with respect and consideration.

...you are responsible for what you say, do, and how you interpret others – and you are curious and perceptive for the effect those things have on people around you.

...we leave the premises in the way we would like to find them. There are many of us here, and how we handle our surroundings is crucial for whether the environment becomes inspiring – or annoying.

...the environment is always changing and you participate in improving it. A good learning environment provides good conditions, which results in good educations and good possibilities – for you as well as other students.

BTH is and will always be a safe, developing and positive environment. We continuously work to promote equality and good environment, and any presence of discrimination, harassment or violation is totally unacceptable. Just as Swedish law says. If you experience or witness anyone being a victim of any kind of violation – immediately contact a teacher or the Student Health Service.

Read more at studentportal.bth.se

Kammarkollegiet: kammarkollegiet.se
Study in Sweden: studyinsweden.se

Swedish Tax Agency: skatteverket.se
1177 Healthcare: 1177.se

CAMPUS GRÄSVIK, KARLSKRONA

An aerial photograph of a university campus in winter. The scene is covered in a thick layer of snow. In the foreground, a large, irregularly shaped pond is frozen. To the left, a modern building with a glass facade and a dark, cylindrical tower stands out. In the center, a large parking lot is filled with cars. To the right, a long, low building with a yellow and grey facade is visible. In the background, several multi-story brick buildings are scattered across the campus, surrounded by snow-covered trees. A large orange circle is overlaid on the center of the image, containing the text 'BUILDING A RECEPTION'.

**BUILDING A
RECEPTION**

COST OF LIVING

Please note that when applying for a residence permit, you must prove to the Swedish Migration Agency that you are able to support yourself during the period for which you are applying for. The amount, SEK 8 370 per month for ten months of the year, is set by the Swedish Migration Agency.

BANK ACCOUNT

Only students with a Swedish personal identity number are entitled to open a Swedish bank account. The Student Union is responsible for assistance in opening accounts. Send your inquiry to: **bank@bthstudent.se**. More contact information and opening hours may be found on the Student Union's website, **bthstudent.se/en**.

Students staying at BTH less than 12 months will not have the possibility to open a Swedish bank account. These students must have a VISA/Mastercard/Travel Card from their home countries and/or have the possibility to use the internet transaction services through their home bank accounts in order to make payments in Sweden.

It is also possible to send and receive a money order through the Western Union Bank offices. Because of the transaction and conversion fees involved in frequent international transactions, students in this situation should be prepared to handle their expenses in cash. The Forex office allows international customers to open a limited savings account. They also provide a service for the payment of bills using cash, but take an administrative fee for doing so.

NATIONAL REGISTRATION

Students staying in Sweden 12 months or longer are entitled to national registration and will be assigned a Swedish personal identity number. This registration is done at the local office of the Swedish Tax Agency (Skatteverket) in Karlskrona. Note that you should register at the Tax Agency as soon as possible after the starting date of your residence permit. You must bring your passport and letter of admission and you must have an address in Sweden before you apply. The national registration gives you access to health care in Sweden at the same cost as Swedish citizens.



STUDENT ACCOMMODATION

Finding the most suitable place to live can sometimes take a while, so you should give yourself plenty of time to make all the necessary arrangements before leaving for Sweden. It is your own responsibility to make arrangements for your accommodation and make sure that you are aware of the rules given by the housing company.

In order to find an accommodation from a housing company, you have to make an online application or send an email to the housing company.

Blekinge Student Union can provide you with information for accommodation. For more details, visit the Blekinge Student Union's website: **bthstudent.se/en**. Here you can find links to different landlords that offer special accommodation for students, but also a link to a list with all landlords in the area. If you are going to study in Karlskrona, you can also choose to live in Ronneby, about 20 minutes away by train. Do you have any general questions about accommodation? Please send the Student Union an email at **bostad@bthstudent.se**.

If you have not applied for accommodation before your arrival, you may have to stay a considerable time in a hostel before you can get student accommodation. For hotel facilities in Karlskrona, please see the website **visitkarlskrona.se**.

When you apply for an apartment remember to check:

- How much the rent is
- What is included in the rent (for example internet, electricity)
- If you are allowed to live together with friends
- If the kitchen/bathroom is shared or not
- If the apartment is furnished or not

PROPERTY INSURANCE (home insurance)

BTH strongly advice you to individually purchase property insurance (hemförsäkring) from a Swedish or international insurance company. The property insurance applies to both you and your personal items as well as the apartment you live in. If you do not have insurance you might be liable for all costs in case of an accident.



Living in Karlskrona: **visitkarlskrona.se**
Living in Ronneby: **visitronneby.se**

Blekinge Student Union: **bthstudent.se**
Forex: **forex.se/en**
Study in Sweden: **studyinsweden.se**

PRACTICAL MATTERS

RECEPTION

The reception is located in building A on campus. Here you can get your BTH card and get help if you do not know where to turn. The reception assists you with general questions regarding your studies. Specific questions regarding courses or programmes should be directed to your programme manager.

Phone: 0455-38 57 00

Email: studentcentrum@bth.se

GENERAL STUDY COUNSELLING

The study counsellors give guidance and information regarding university studies at BTH. You are welcome to schedule an appointment for personal counselling or send your questions to them directly. We can also offer study guidance via Skype.

Email: studievagledning@bth.se

Phone: 0455-38 53 00

ADMISSION OFFICE

The admissions office give you information regarding general questions such as admission, application procedures, enrolment etc.

Phone: 0455-38 55 00

Email: admissions@bth.se

INTERNATIONAL OFFICE

At the International Office you get information about exchange studies. All questions concerning exchange studies should be addressed to in.exchange@bth.se.

LEARNING FACILITIES

When you have obtained your BTH card, you get access to all facilities on campus. The BTH card is used as a door key to the computer rooms which are available for BTH students during all hours Monday through Sunday. You can use your own laptop and the wireless internet that BTH offers all over campus.

LIBRARY

The library offers:

- Books, journals, newspapers
- eBooks, eJournals, databases – also accessible from your own computer
- Study areas, group rooms, quiet reading area
- Librarian support

To borrow/reserve paper books you need to register your BTH card. Fill in your Swedish address and activate your library account in the Student Portal, studentportal.bth.se.

Note! First you need to register your course or programme in the Student Portal, then enrol in Canvas, the learning management system.

bth.se/studentportal
bth.se/canvas

IT SERVICES FOR STUDENTS

All BTH students get access to a number of IT services through their student account. Support for IT services for students is available through the IT helpdesk.

Email: ithelpdesk@bth.se

Phone: 0455-38 51 00

RULES FOR USE OF COMPUTER RESOURCES

The computers are intended for solving the compulsory tasks and laboratory work which are a part of the course examination and for individual computer-related proficiency practice. Computing facilities, networks and accounts are the property of the university, and are run by the university to be used in the activities and operations of the university.

WIRELESS NETWORK, EDUROAM

You can connect to a wireless network on both BTH's campuses. Your eduroam password is automatically created and sent to your email address when you activate your student account. See instructions how to connect in the Student Portal.

PRINTING AND COPYING

At BTH there are a number of printers that can be used for printing, copying and scanning. Everything is at cost. To print, copy or scan you need to do relevant settings. See information in the Student portal.



STUDENT ACCOUNT VIA THE STUDENT PORTAL

You create your student account at the Student Portal after you have been admitted. The student account gives you among other things, access to the Student Portal, personal folder, computer rooms, wireless network, Canvas and library e-resources.

STUDENT PORTAL - studentportal.bth.se

The Student Portal is a website for BTH students that contains information which can be useful during your studies at BTH. Besides general and practical information, this website offers a personalised web service.

The Student Portal is your main portal where you register for your programme and courses. You can also view and print your transcript of records, certificate of registration, and register for your examinations. If problems occur contact **studentcentrum@bth.se**

COURSE REGISTRATION

You must register in the Student Portal when the semester starts in order to activate your programme and courses. Without registration you cannot participate in courses, sign up for, or participate in examinations or receive your credits. Please note that you can only register for a programme or course that you have been admitted to. If problems occur contact **studentcentrum@bth.se**

If there is a problem, check the prerequisites:

1. You are admitted and you have received a log in
2. You can log in to the Student Portal

CANVAS

Canvas is BTH's online learning management system and is used in most programmes and courses at BTH. In Canvas you will find all information about your courses. You will also find lecture notes, assignments and sometimes discussion forums and tests.

Use your student username and password at BTH and log in at: **studentportal.bth.se**

If you cannot find your courses, please check your course registration. After registration it can take a couple of hours before the courses appear in Canvas. If you still cannot find your courses, please contact your course manager by email.

BTH CARD


All admitted students at BTH that have a valid registration for the current semester are entitled to a BTH card. The BTH card gives you access to the university premises and you can use it as identification on campus, for printing and as a library card.

Find more information at: **studentportal.bth.se**

EXAMINATION

It is mandatory to sign up for all examinations and this is done in the Student Portal. You sign up in advance and the registration opens 30 days and closes 14 days before the examination date. A few days before the examination, you will receive an email with the time and location for your examination. Please arrive on time since the doors will close five minutes before the exam starts. In the Student Portal you find information regarding examination and course examinations dates.

Find more information at: **studentportal.bth.se**. If you have any further questions please contact **tentamen@bth.se**



Note! There is no official Christmas break at Swedish universities. There will be no classes during the Christmas week, but you may be expected to work, for example with written assignments. Each lecturer plans the schedule for his/her own courses.

SOCIAL ACTIVITIES

STUDENT UNION

The Blekinge Student Union (Blekinge student-kår), is an organisation by students, for students. They make sure to represent the social and academic interests of their members and play an active role in shaping education at all levels within the university. The Student Union has a number of social committees that manage student pubs and a computer society. The Student Union office is located on the 2nd floor in building H. More information is available at bthstudent.se

MECENAT CARD

The Mecenat card is a discount card that will help your finances greatly. The card is provided by the student union. To receive a Mecenat card, you must make sure that you have updated your address in BTH's systems once you've moved to your new accommodation in Sweden. If you have questions regarding the Mecenat card, you can send an email to the student union on the address presidiet@bthstudent.se. More information about the discounts received can be found on mecenat.se.

STUDENT REGION BLEKINGE

The project Student Region Blekinge wants to enhance your time as a student at BTH, whether by improving the campus environment, organising events where you can socialise with other students at BTH or meeting companies and organisations in Blekinge. Please contact lena.vogelius@bth.se

ESN

Erasmus student network (ESN) is a non-profit student organisation with a mission to help international students at BTH as well as to prepare BTH students that are going on an exchange. More information is available at enssweden.org or email info@esnbtb.org.

KIDS

The sports group at BTH is called "KIDS", (Karlskronas Idrottssektion) and offers activities such as badminton, cricket, floorball, indoor soccer, basketball and volleyball. KIDS can also act

as a contact between students and other sport organisations in Karlskrona. More information is available at kids.bthstudent.se.

CAFETERIAS AND RESTAURANTS

There is a cafeteria in building D, "Länken", on campus. The cafeteria and take-away provides sandwiches, light lunches, soups and refreshments all day. Adjacent to the cafeteria is a student kitchen area where you can microwave your food. There is also a lunch restaurant on campus, Bistro J, located in building J, where you can buy a hot meal.

In Karlskrona, outside campus, there are lots of restaurants to choose from. A "dagens rätt" (dish of the day) is available in most restaurants at lunchtime, which is usually served between 11 am–2 pm.

Most of the big supermarkets offer a special section of oriental food and spices. You can find a wide range of oriental products in the supermarket in Bergåsa (near BTH and the train station) called Bergåsa livs. Almost all products in this shop are from Asian countries and you can also buy halal meat. You can find similar oriental shops in Kungsmärken (the area where many students live).

HOW TO GET AROUND

Buses take you from campus in Karlskrona to the city centre and it costs approx. SEK 25 for a one way ticket. You can find information about local transportation in Blekinge at blekingetrafiken.se

It is possible to borrow a bike at the BTH reception at campus for a couple of hours up to a week. A deposit is required.

You can travel by train between the cities of Karlskrona, Ronneby and Karlshamn in Blekinge or all the way to Copenhagen. It takes three hours by train from Karlskrona to Copenhagen Airport in Denmark.



Blekinge Student Union: bthstudent.se
Tourist website: visitblekinge.se

CHECKLIST

BEFORE YOUR ARRIVAL

- Pay your tuition fee.
- Make arrangements for your housing.
- Apply for residence permit (if applicable).
- Read the information about insurance and health care, page 6.
- Check arrival and enrollment date.
- Read the Welcome letter for your programme.
- Follow the instructions in the Welcome letter should you not be able to arrive on time (you may lose your study place if you arrive late).

IMPORTANT DOCUMENTS TO BRING:

- European insurance card (for European students).
- Your VISA/Master card or Travel card.
- Your original academic documents (diploma and transcripts).

UPON YOUR ARRIVAL

- Register in the Student Portal.
- Find your courses in the e-learning platform Canvas.
- Attend available welcome meetings.
- Get your BTH card.
- Show your original documents at the Admissions office, if required.
- National registration (only for students who have a residence permit valid for more than one year).
- Remember to sign the accommodation contract and pick up your key at your housing company.

Note! Some of the administrative procedures may be different for Erasmus students. More information for these students will be provided by the international coordinators.



HOW TO GET TO KARLSKRONA AND CAMPUS

BY TRAIN

BTH can easily be reached by train from Copenhagen (the capital of Denmark) or Stockholm (the capital of Sweden).

A one way trip from Copenhagen Airport to Karlskrona train station usually takes approximately three hours and is normally a connection without any train changes. Information about how to make a reservation can be found on the website SJ, sj.se

A one way trip from Stockholm central train station to Karlskrona usually takes five hours and includes two or three train changes. Information about how to make a reservation can be found on the website SJ, sj.se

BY AIR

If you wish travel by air to BTH, make your reservation to Ronneby Airport (30 km from Karlskrona). There are buses that will take you from the airport to Karlskrona. Information about how to make a reservation can be found on the website: swedavia.com/ronneby.

HOW TO GET TO CAMPUS

If you reach Karlskrona by train or bus, ask for directions to the bus stop “Karlskrona centralstation”, which is located within walking distance from the train station, and get off at the bus stop “Campus Gräsvik”.



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