JÖNKÖPING UNIVERSITY

School of Engineering

Sweden
Sverige

START YOUR EXCHANGE JOURNEY HERE

SCHOOL OF ENGINEERING

2020/2021

SWEDEN / JÖN

Sweden is known for being a clean, beautiful country, covered with lakes and forests. It's inhabited by 10 million people who are friendly, open-minded and welcoming. This is all true. What you have heard about high living standards and low crime rates is true as well. Furthermore, Sweden is an international powerhouse in the fields of design and music, boasting acts such as Avicii, Robyn and Icona Pop. Lots of great innovations originated in Sweden, for example TetraPak, the pacemaker, Skype and Spotify. And let's not forget IKEA.

WHY SWEDEN?

▸ A country of innovation

▸ Clean, safe and modern

▸ Rich in arts and culture

▸ English speaking

▸ Equal and diverse

KÖPING

Sweden · Helsinki · Oslo · Stockholm · St Petersburg · Gothenburg · Jönköping University · Copenhagen · London · Berlin · Warsaw · Paris

JÖNKÖPING UNIVERSITY

Jönköping University has around 12,600 students, of which 2,300 are international students. The university is one of the top universities in international student exchange and among the best in Sweden in terms of attracting international students. Campus has a truly international and academic environment with students and staff from all parts of the world.

140,000 inhabitants in Jönköping
12,600 of them are JU students

SCHOOL OF ENGINEERING

Our vision is to be leaders in Europe in developing and spreading new technology and knowledge that will reinforce the international competitiveness of small and medium-sized enterprises.

A BROAD BASE OF SKILLS
Our goal is to prepare you for achievement in business and give you an education that meets market demands. Our courses have a broad technical knowledge base to equip you with engineering skills and to stimulate entrepreneurial spirit. Our programmes are unique in that they provide knowledge from topic areas other than technology, such as leadership, communication, business and ecology.

INDUSTRY CONTACT
Contact with industry is an important part of our education in order to ensure that what you learn is anchored in reality and practical experience. Students will have close contact with companies during their education, in projects, during internship or the thesis work. We have many partnerships with leading companies such as *Saab, Volvo, Kongsberg Automotive, Fagerhult, Scania and Husqvarna Group*.

TOP OF THE CLASS
The School of Engineering is one of Sweden's leading educators and a member of the CDIO initiative, which is a prestigious collaboration between leading engineering schools worldwide. We are also world leaders for research in materials and manufacturing technology for casting.

INTERNATIONAL COLLABORATION
School of Engineering collaborate with partner universities and companies abroad, both regarding exchange studies, internships and thesis work abroad. As a student at School of Engineering you'll meet students from all over the world. Students come here to study programmes on bachelor or master level as well as exchange courses. School of Engineering also offers a course during the summer, at the JU Summer School.

PROGRAMMES AT SCHOOL OF ENGINERING

PROGRAMMES CONDUCTED IN SWEDISH

A number of courses within the programmes are offered in English for exchange students.

Higher Education Diplomas - 120 credits
• 3D Technology
• Product Development with Furniture Design

Bachelor programmes - 180 credits
• IT Infrastructure and Network Design
• Lighting Design

Bachelor of Science/Engineering programmes - 180 credits
• Architectural Engineering
• Building Projects/Construction Engineering
• Embedded Systems
• Industrial and Production Management
• Logistics and Management
• Product Development and Industrial Design
• Software Engineering and Mobile Platforms

Master programme - 300 credits
• Industrial Product Realisation

PROGRAMMES CONDUCTED IN ENGLISH

Bachelor programme - 180 credits
• New Media Design

Bachelor of Science/Engineering programme - 180 credits
• Sustainable Supply Chain Management

Master programmes - 60 credits
• Materials and Manufacturing

Master programmes - 120 credits
• AI Engineering
• Industrial Design
• Product Development and Materials Engineering
• Production Development and Management
• Sustainable Building Information Management
• User Experience Design

JU SUMMER SCHOOL
Course: Purchasing Logistics with a Global Perspective - 10 credits

STUDIES AT JÖNKÖPING UNIVERSITY

CREDITS AND WORKLOAD

In Swedish higher education, the workload of a course is based on the amount of credits that a course is worth. 1.5 credits is equivalent to approximately 40 hours (1 week) of work, which includes lecture hours, group work, seminars, homework etc. Students participating in exchange will receive full credit for all academic work successfully carried out during their exchange semester. Full time study is 30 credits per semester which is equivalent to 30 ECTS credits.

ACADEMIC CALENDAR

The academic year consists of 40 weeks, divided into two semesters: August – January (autumn semester) and January – June (spring semester). There are no holidays during the semesters.

EXAMINATIONS AND RE-EXAMINATIONS

There are different forms of examinations in the courses. Examinations can be scheduled on weekdays, evenings as well as Saturdays or Sundays. Jönköping University allows students to take re-examinations in failed courses. However, re-examinations can only be taken at Jönköping University.

ACADEMIC CALENDAR

AUTUMN SEMESTER 2020	SPRING SEMESTER 2021
Arrival and pick up service: 13 Aug - 16 Aug	Arrival and pick up service: 9 Jan - 10 Jan
Introduction week (compulsory): 17 Aug - 23 Aug	Introduction week (compulsory): 11 Jan - 17 Jan
Study period 1: 24 Aug - 9 Oct	Study period 3: 18 Jan - 19 Mar
Exam period 1: 10 Oct - 18 Oct	Re-exam period 2: 13 Feb - 21 Feb
Study period 2: 19 Oct - 11 Dec	Exam period 3: 20 Mar - 28 Mar
Exam period 2: 12 Dec - 20 Dec	Study period 4: 29 Mar - 28 May
Re-exam period: 9 Jan - 17 Jan, 2021	Exam period 4: 29 May - 6 Jun
	Re-exam period 3: 7 Jun - 13 Jun

APPLICATION AND PREREQUISITES

HOW TO APPLY

Once you have been nominated by your home university, you will receive information about how to apply in our online application.

COURSES

Course syllabuses, including the prerequisites, can be found on our website. You need to have the majority of your courses at the school to which you have been nominated to. School of Engineering reserves the right to limit exchange student enrollment in courses. Please be aware that courses may be cancelled if the minimum number of participants is not reached.

LANGUAGE REQUIREMENTS

Although language test scores are not formally required, all students are expected to meet the minimum English requirements of School of Engineering, see the website for details. The home institution is responsible for ensuring the students' fluency in English. Students without the adequate level of English run the risk of failing the courses.

PREREQUISITES

The general prerequisite for bachelor exchange students is at least one year of completed university studies at the home institution before the exchange semester. For applicants interested in master level courses, we require qualifications equivalent of a bachelor degree of at least three years.

Read more about exchange studies at:
JU.SE/EXCHANGESTUDIES

PLEASE NOTE

Lectures and examinations can be scheduled until the 20th of December at School of Engineering. Re-exams can be scheduled in January. Please take this into consideration when planning your departure.

WELCOME TO JU.

Our campus is located in the heart of the city, with everything you need at your fingertips. There are plenty of places to hang out, meet your friends and study. Here's some information you need for starting your new life at JU.

ARRIVAL

GUARANTEED ACCOMMODATION
The Accommodation Office will help you find a place to live. Jönköping University guarantees accommodation to all newly-arriving international students that have been admitted, provided you have applied for accommodation and registered your arrival within the set deadlines. The accommodation guarantee only applies to the registered student and not family members. You will receive information about this once you have been accepted to Jönköping University.

PICK-UP SERVICE
At Jönköping University, we offer a pick-up service for all the new international students if they arrive in Jönköping during the pick-up dates. This means that we will meet you, for example, at the local airport or train/bus station, bring you to the university and get you settled into your accommodation. You can read more at ju.se/pickup.

INTRODUCTION WEEK
One of the first things you will experience is Introduction Week – an event for all new students to feel welcome, have fun and get to know each other through a variety of social activities, and of course, get prepared for your future studies. The event has been rated one of the best in Europe.

ACCOMMODATION QUICK FACTS

- **Distance from campus:** most housing is between 1-7km. A few are within 20km.

- **Bedroom furnishings:** Bed, wardrobe, desk and chair.

- **Utilities:** electricity, water and internet connection. Access to a shared laundry room and kitchen.

- **Price range:** 3,000-6,500 SEK per month (depending on location).

- **Not included:** bed linen, towels, meals and cleaning services.

This information is approximate. For more detailed information on our housing options, visit ju.se.

STUDENT LIFE

STUDENT UNION

The Student Union is run by students for students. It is a non-profit organisation which mainly works with educational quality, social welfare and integration. It also runs various fun activities, trips and events. It ensures students' rights and quality of education through collaborations with the schools' student associations. It is well represented in various decision-making bodies, providing students with a genuine opportunity to affect decisions regarding their education.

For more information visit:
jonkopingsstudentkar.se/english /about-us

SPORT

Do you love sport? At Jönköping University, you have the chance to join one of the many clubs that are members of Jönköping University Sport Association (JUSA), which is part of the Student Union. The university also collaborates with other clubs and associations, and is an elite-friendly campus where top atheletes can get help to succeed in dual careers. The university rowing association, JURA, competes nationally and internationally in university competitions. In September 2019, Jönköping University became the first swedish university to host the European University Rowing Championships. Campus Arena is the university's modern sports centre, that includes a well-equipped gym as well as a gymnasium for indoor team sports. Students can get a discounted gym membership.

STUDIES

SERVICE CENTER

The Service Center will help you with general study related questions, course certificates or if you just need to find the way to your lecture room. If they cannot answer your question directly, they'll make sure to guide you to the right place.

THE UNIVERSITY LIBRARY

There is plenty of space for individual studies, meetings and group studies in the library. Group rooms and reading rooms are available 24 hours a day. A devotional room for prayer and meditation, is located on the third floor of the library building. You will also find a coffee shop in the entrance.

SPECIAL EDUCATIONAL SUPPORT

Jönköping University facilitate special educational support for students with disabilities.

INTERNATIONAL OFFICE

The International Office cooperates with universities all over the world to offer you the possibility to study abroad. International Office guides you before, during and after your exchange period.

ACADEMIC RESOURCE CENTER

The Academic Resource Center is open to all students at Jönköping University who want to develop their skills in all types of written and oral assignments, in all subjects, and at all levels. We support you in the process and give you the tools to further develop your text independently.

GOOD THINGS TO KNOW:

HEALTH INSURANCE

Exchange students admitted to JU receive a supplementary health insurance, which covers emergency medical and dental care (conditions apply).

For more information please visit **ju.se/studenthealthcare**

COST OF LIVING

Living costs in Sweden depend largely on your individual life-style. As a student in Jönköping, it is recommended that you have around 8500 SEK per month, covering the following (the prices below are approximate):

- Accommodation: 3,000-6,500 SEK depending on location
- Food: 2,000 SEK
- Phone: 300 SEK
- Monthly bus tickets: 480 SEK
- Laundry and hygiene: 250 SEK
- Clothing, hobbies, leisure: 750 SEK.

All students, including exchange students, are required to pay the obligatory student union membership fee, which is approximately 300 SEK per semester.

Compare your city's cost of living with the costs in Jönköping at **numbeo.com**

VISA/RESIDENCE PERMIT

Students from countries whose citizens are required to have a visa/residence permitare advised to contact the Swedish embassy or consulate in your home country to start your application for a student visa, which is a procedure that can take two months or more. You are are recommended to apply online. In order to apply for a VISA, you need to have a full-time study load, 30 ECTS for one semester.

For more information visit: **migrationsverket.se**

Patricia Alonso Muela

former exchange student at JU from Escuela Técnica Superior de Ingeneiros Industriales (ETSII), Universidad Politécnica de Madrid (UPM) Spain.

WHY DID YOU CHOOSE TO GO ON EXCHANGE?

I wanted a unique experience that improved my language skills, made me more independent and opened my mind to a new culture and a new way of working.

WHAT IS THE BEST THING ABOUT JÖNKÖPING UNIVERSITY?

It has to be the international environment and the student life – there are lots of student associations and activities to do, which makes it easy to meet new people. Also, the facilities here are amazing: the library, the student restaurants, the computer labs. Everything is open 24/7. JU has done a great job with their computer system here, you can log on and work anywhere on campus.

WHAT IS YOUR FAVOURITE MEMORY?

Meeting new people through all the student activities I did, for example the elk safari and the fun student nights in RIO (the Student Union's bar).

WOULD YOU RECOMMEND EXCHANGE STUDIES TO OTHER STUDENTS?

Yes, I would, and I would especially recommend JU as I felt more comfortable with the learning system there and their grading system was also more practical than the one in Spain. Furthermore, JU has a career centre that can help with your CV and prepare you for job interviews. It's a good idea to come here for your final year of studies, so that you can get ready for setting out on your future career!

"Academically, it was fun doing so many group works and discussions because people had different beliefs."

– Satisfied exchange student

EXPLANATION OF COURSE LEVELS

BACHELOR LEVEL

G1N - First cycle, has only upper-secondary level entry requirements

G1F - First cycle, has less than 60 credits in first cycle courses as entry requirements

G1E - First cycle, contains specially designed degree project of Higher Education Diploma

G2F - First cycle, has at least 60 credits in first cycle courses as entry requirements

G2E - First cycle, has at least 60 credits in first cycle courses as entry requirements, contains degree project for Bachelor of Arts/Bachelor of Science

MASTER LEVEL

A1N - Second cycle, has only first cycle course(s) as entry requirements

A1F - Second cycle, has second cycle course(s) as entry requirements

A1E - Second cycle, contains degree project for Master of Arts/Master of Science (60 credits)

A2E - Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

Photo: Alexander Grahn

APPLY NOW!

OR AT THE LATEST:

NOMINATION DEADLINE (for Partner Universities)	APPLICATION DEADLINE (for students)
Autumn 2020 **25 April**	Autumn 2020 **1 May**
Spring 2021 **10 October**	Spring 2021 **15 October**

Photo: Emma Björkidahl

Photo: Emma Björkidahl

Photo: Peter Appelin

Jönköping University is recognised as an Elite Athlete Friendly University by the Swedish Sports Confederation. In collaboration with them and The Special Sports Federations, we offer an elite athlete support scheme. You can join JU's own rowing team, play cricket or why not hockey?

In September 2019, Jönköping University hosted the European University Rowing championships. Around 500 athletes representing over 80 universities, from 21 European countries competed in Jönköping in multiple rowing events.
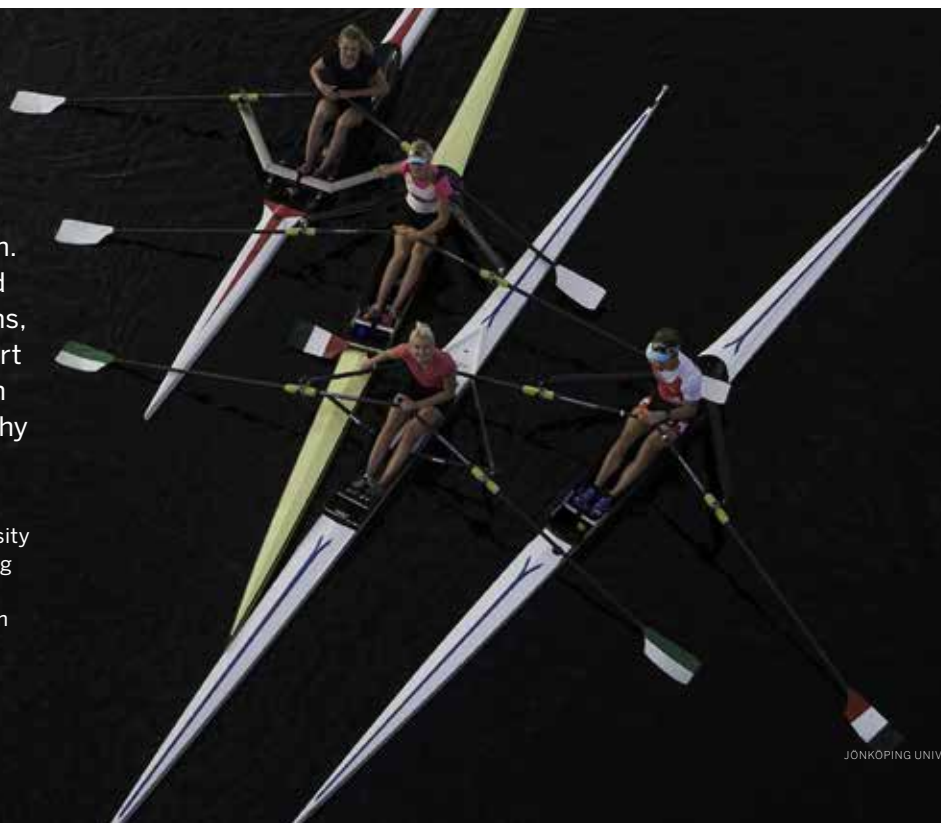
COURSES – AUTUMN 2020

BACHELOR LEVEL	COURSE CODE	CREDITS	LEVEL	PERIOD
COMPUTER SCIENCE AND INFORMATICS				
Artificial Intelligence	TAIK19	7,5	G1F	Aug 17 - Oct 18
Client-Server Communication	TSPK18	7,5	G1F	Aug 17 - Oct 18
iOS Development	TISK18	7,5	G1F	Oct 19 - Dec 20*
Network Programming	TNPK18	7,5	G1F	Oct 19 - Dec 20*
Object-oriented Software Development	TOMK18	6	G1F	Aug 17 - Oct 18
Object-oriented Software Development with Design Patterns	TOUK18	7,5	G1F	Aug 17 - Oct 18
Operating Systems	TOSK18	7,5	G1F	Oct 19 - Dec 20*
Research Methods in Computer Science and Informatics	TFIN18	7,5	G2F	Oct 19 - Dec 20*
Software Engineering Project Methods	TMJN10	7,5	G2F	Aug 17 - Oct 18
Research Methods in Computer Science and Informatics	TFIN18	7,5	G2F	Oct 19 - Dec 20*
Web and User Interface Design	TWTG10	15	G1F	Oct 19 - Dec 20*
Web Development Fundamentals	TGWK18	7,5	G1F	Aug 17 - Oct 18
Introduction to New Media Design	TIGG10	7,5	GIN	Aug 17 - Oct 18
Digital Marketing and Social Media	TDMK19	7,5	G1F	Aug 17 - Oct 18
Custom Project Management	TPNK18	7,5	G1F	Oct 19 - Dec 20*
Fundamentals of Graphic Design	TGGG18	7,5	G1N	Aug 17 - Oct 18
Graphic Design for New Media	TGNK18	15	G1F	Aug 17 - Dec 20*
Information Architecture	TAUK17	7,5	G1F	Oct 19 - Dec 20*
Information Security	TIHG10	7,5	G1N	Oct 19 - Dec 20*
IT Service Management	TSMN19	7,5	G2F	Aug 17 - Oct 18
Motion Graphics	TMGN17	7,5	G2F	Oct 19 - Dec 20*
Research Methods and Communication	TFKG18	7,5	G1N	Aug 17 - Oct 18
Wireless Networks	TTNK19	7,5	G1F	Aug 17 - Oct 18
CONSTRUCTION ENGINEERING				
Architectural Engineering	TATN19	6	G2F	Aug 17 - Dec 20*
BIM 1 Modelling and Presentation	T1BG17	6	G1N	Aug 17 - Dec 20*
Energy and Building Services Engineering	TEIN19	6	G2F	Aug 17 - Oct 18
Housing Design	TBUK18	6	G1F	Aug 17 - Oct 18
INDUSTRIAL ENGINEERING AND MANAGEMENT				
Innovative Production Systems Development	TUIN18	7,5	G2F	Oct 19 - Dec 20*
Leadership and Project Management	TLPG18	7,5	G1N	Oct 19 - Dec 20*
Lean and Green Engineering	TLGK19	7,5	G1F	Aug 17 - Oct 18
Logistics Engineering	TTOG18	7,5	G1N	Aug 17 - Oct 18
Project Management and Methods	TPJG17	7,5	G1N	Aug 17 - Oct 18
Principles of Sustainable Supply Chain Management	TSSG18	7,5	G1N	Oct 19 - Dec 20*
Purchasing	TIKN10	7,5	G2F	Aug 17 - Oct 18
Transportation and Warehousing	TTLN18	7,5	G2F	Aug 17-Oct 18 and Oct 19 - Dec 20*
LIGHTING DESIGN				
Daylighting	TDPN19	15	G2F	Oct 19 - Dec 20*
Lighting for Expo and Events	TLEN18	15	G2F	Oct 19 - Dec 20*
Lighting Masterplan	TPSN19	9	G2F	Aug 17 - Oct 18
Luminaire Design	TLDN18	9	G2F	Aug 17 - Oct 18
MATERIALS AND MANUFACTURING (ONLINE DISTANCE LEARNING)				
Component Casting	TKGK19	7,5	G1F	Oct 19 - Dec 20*
Component Casting	TGJK17	6	G1F	Aug 17 - Oct 11
Manufacturing Technology	TTVK18	6	G1F	Aug 17 - Dec 20*
GENERAL COURSES				
Computer Simulation in Physics and Engineering	TDSK16	6	G1F	Oct 19 - Dec 20*
Intercultural and International Communication	TIKG18	7,5	G1N	Oct 12 - Dec 20*
Linear Algebra and Optimization	TAOG19	7,5	G1N	Oct 19 - Dec 20*
Multivariable Calculus	TFVK17	7,5	G1F	Aug 17 - Oct 18
Swedish Language, Culture and Society 1	TS1G15	7,5	G1N	Aug 24-Oct 25
Swedish Language, Culture and Society 2	TS2G15	7,5	G1F	Oct 26-Dec 27

MASTER LEVEL	COURSE CODE	CREDITS	LEVEL	PERIOD
COMPUTER SCIENCE AND INFORMATICS				
Data Science	TDSR29	7,5	A1N	Oct 19 - Dec 20*
Development for Mobile, Wearable and Smart Devices	TDWR29	7,5	A1N	Oct 19 - Dec 20*
Mathematics for Intelligent Systems	TMIR29	6	A1N	Oct 19 - Dec 20*
Research Methods for Intelligent Systems	TRIS20	7,5	A1F	Aug 17 - Oct 18
Safety and Security for Software Products	TSSR20	7,5	A1N	Aug 17 - Oct 18
State-of-the-Art in AI Research	TSAS20	7,5	A1F	Oct 19 - Dec 20*
User Experience Design	TUER29	7,5	A1N	Oct 19 - Dec 20*
INDUSTRIAL DESIGN - YEAR 1 - SEMESTER 1 *				
Design Communication 1	TD1R29	9	A1N	Aug 17 - Dec 20*
Design Philosophy and Practice (Human Factors 1)	TDPR28	9	A1N	Aug 24 - Oct 25
MATERIALS AND MANUFACTURING (ONLINE DISTANCE LEARNING)				
Analysis of Casting Defects	TGAS27	3	A1F	Oct 05 - Nov 01
Environmental Impact Assessment of Castings	TMGS27	3	A1F	Nov 30 - Dec 20*
Melting and Casting of Ferrous Alloys	TSGR26	3	A1N	Oct 05 - Nov 01
Moulding Materials in Foundry Technology	TFGS26	3	A1F	Nov 02 - Nov 29
PRODUCT DEVELOPMENT AND MATERIALS ENGINEERING				
Advanced CAD	TACR26	6	A1N	Aug 17 - Oct 18
Computer Programming for Design Automation	TPAR27	6	A1N	Aug 17 - Oct 18
Materials and Design	TMDR26	6	A1N	Oct 19 - Dec 20*
Microstructural Engineering	TMER27	6	A1N	Aug 17 - Oct 11
Non-linear Finite Element Analysis	TMSS27	6	A1F	Nov 02 - Dec 20*
Modelling and Simulation of Casting	TOLR28	6	A1N	Oct 19 - Dec 20*
PRODUCTION DEVELOPMENT AND MANAGEMENT				
Human Factors Engineering	TMTR28	7,5	A1N	Oct 19 - Dec 20*
Production Development I, Strategy and System	TP1R28	9	A1N	Aug 17 - Oct 18
Production Development II, Methods and Tools	T2PS28	7,5	A1F	Oct 19 - Dec 20*
SUSTAINABLE BUILDING INFORMATION MANAGEMENT**				
BIM - Requirements and Specifications	TBRS28	7,5	A1F	Oct 19 - Dec 20*
Sustainability, Analyses and Simulations	THAR28	9	A1N	Aug 17 - Oct 18
GENERAL COURSES				
Industrial Product Realization in Collaboration	TIPR28	6	A1N	Aug 17 - Oct 18

COURSES – SPRING 2021

BACHELOR LEVEL	COURSE CODE	CREDITS	LEVEL	PERIOD
CONSTRUCTION ENGINEERING				
History of Architecture	TAHK18	3	G1F	Mar 29 - Jun 06
Geographical Information Systems	TGIK18	6	G1F	Jan 18 - Mar 28
Urban Space	TSDN18	6	G2F	Jan 18 - Mar 28
COMPUTER SCIENCE AND INFORMATICS				
Android Development	TAGK19	7,5	G1F	Jan 18 - Mar 28
Databases	TDRK18	6	G1F	Jan 18 - Mar 28
Digital Electronics with VHDL	TDVK19	7,5	G1F	Jan 18 - Mar 28
Web Development - Advanced Concepts	TFWN19	7,5	G2F	Jan 18 - Mar 28
Interaction Design	TINK18	7,5	G1F	Jan 18 - Mar 28
Applied Web Architecture	TAWK17	15	G1F	Jan 18 - Jun 06
Scientific Literature Search	TVEG10	3	G1N	Mar 29 - Jun 06
INDUSTRIAL ENGINEERING AND MANAGEMENT				
Business Planning and Entrepreneurship	TBPG19	7,5	G1N	Jan 18 - Mar 28
Retailing	TDHN11	7,5	G2F	Jan 18 - Mar 28
Sustainable Business Relationships	THAN19	7,5	G2F	Jan 18 - Mar 28 and Mar 29 - Jun 06
Quality Management and Engineering	TKYK19	7,5	G1F	Mar 29 - Jun 06
Research Methodology	TUMN10	7,5	G2F	Jan 18 - Mar 28
MECHANICAL ENGINEERING				
CAD-Solid Modelling, Basic Level Modelling	TCSG19	7,5	G1N	Jan 18 - Jun 06
Basic FEM-analys	TGFK10	7,5	G1F	Jan 18 - Mar 28
Basic Thermodynamics and Transport Phenomena	TGTK19	3	G1F	Jan 18 - Mar 28
Engineering Materials	TKSK18	7,5	G1F	Jan 18 - Mar 28
Mechanics 2	T2MK10	7,5	G1F	Jan 18 - Mar 28
GENERAL COURSES				
Basic Calculus	TGAG19	7,5	G1N	Jan 18 - Mar 28
Mathematical Statistics SSCM	TMSK19	7,5	G1F	Mar 29 - Jun 06
Mathematical Statistics	TMAK17	6	G1F	Jan 18 - Mar 28
Swedish Language, Culture and Society 1	TS1G15	7,5	G1N	Jan 25-Apr 4
Swedish Language, Culture and Society 2	TS2K15	7,5	G1F	April 5-Jun 13
Intercultural and International Communication	LIIG19	7,5	G1N	Jan 25-Apr 4

MASTER LEVEL	COURSE CODE	CREDITS	LEVEL	PERIOD
COMPUTER SCIENCE AND INFORMATICS				
Design of Smart Enterprises	TSF428	7,5	A1N	Jan 18 - Mar 28
Embedded and Distributed AI	TEDS20	7,5	A1F	Mar 29 - Jun 06
Machine Learning	TMLS20	7,5	A1F	Jan 18 - Mar 28
Next Generation Web	TNWS20	9	A1F	Jan 18 - Jun 06
Software Product Quality Assurance	TSPR20	9	A1N	Jan 18 - Jun 06
Web Personalization	TWPS20	7,5	A1F	Mar 29 - Jun 06
Parametric Design and GIS	TPDR28	7,5	A1N	Jan 18 - Mar 28
INDUSTRIAL DESIGN - YEAR 1 - SEMESTER 2 ***				
Business and Economy	TFEK17	6	G1F	Jan 18 - Mar 28
Ergonomics (Human Factors 2)	TERS27	15	A1F	Jan 18 - Jun 06
Design Communication 2	TD2S20	9	A1F	Jan 18 - Jun 06
MATERIALS AND MANUFACTURING (ONLINE DISTANCE LEARNING)				
Cast Design and Calculation	TGKS26	3	A1F	May 10 - Jun 06
Failure Analysis	THAS26	6	A1F	Mar 15 - May 09
Material Testing and Characterisation	TMRR28	6	A1N	Jan 18 - Mar 14
PRODUCT DEVELOPMENT AND MATERIALS ENGINEERING				
Functional Materials and Surfaces	TFYS29	7,5	A1F	Jan 18 - Mar 28
Final Project Work in Product Development**	TEUV24	30	A2E	Jan 18 - Jun 06
Integrated Product Development 2	TI2S29	7,5	A1F	Mar 29 - Jun 06
Integrated Product Development I	TI1S29	7,5	A1F	Jan 18 - Mar 28
Optimization Driven Design	TODS29	7,5	A1F	Mar 29 - Jun 06
PRODUCTION DEVELOPMENT AND MANAGEMENT				
Sustainable Production	THPS29	6	A1F	Jan 18 - Mar 28
Integrated Product and Production Development	TPPS29	9	A1F	Jan 18 - Mar 28
Production Management	TPLS29	7,5	A1F	Mar 29 - Jun 06
Supply Chain Design	TUFS29	7,5	A1F	Mar 29 - Jun 06
SUSTAINABLE BUILDING INFORMATION MANAGEMENT****				
Advanced Building Information Modeling	TABS29	6	A1F	Jan 18 - Mar 28

EXPERIENCE SWEDEN IN THE SUMMER

JU SUMMER SCHOOL 2020

Purchasing Logistics with a Global Perspective | CREDITS: 10 | DATE: 8 June - 3 July

For more details, visit **ju.se/summerschool**

* Classes and regular exams ends by December 20 in the autumn semester. There might be assignments to hand in online with deadline January 17, which is the official end of autumn semester date.

Re-examinations take place in the beginning of January. These are given in Jönköping.

** Students interested in doing a Final Project Work must submit their application, specifying project level (Bachelor or Master) and research area. School of Engineering cannot guarantee to find a supervisor and/or a project. Only the Department of Industrial Product Development, Production and Design as well as Department of Materials and Manufacturing and their research areas can offer Final Project work. For further important information, please see **ju.se/student/en/studies/thesis-examination-paper**

*** Courses within Industrial design are only available for students admitted to a program in Industrial Design within Mechanical Engineering at the home university. Applicants must attach their portfolio to the exchange application. Limited number of places. The courses are studied in 'semester blocks' and can not be taken separately.

**** It is strongly recommended that the applicant has basic knowledge in BIM, for example BIM-based software such as Revit, ArchiCad or equivalent.

This is an overview of the courses expected to be offered in the academic year 2020-2021. If there are additions or cancellations, these will be updated on our website. **JU.SE**

JU.SE

For more information and online application
visit **ju.se/exchangestudies**

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