



Final application dates:
Non-EU/EEA: 15 January
EU/EEA: 15 April
Apply online at: www.antagning.se

Master's Programmes 2013/2014
Department of
Computer and Systems Sciences



Stockholm
University

Department of Computer and Systems Sciences

Master's Programme (One Year) in Computer and Systems Sciences

The programme focuses on advanced courses and suits those who wish to improve their skills and knowledge as a preparation for a successful professional career.

Students will receive deeper knowledge in ICT its role in business and society, and how it interacts with humans. They will also develop insights into emerging trends in the field, as well as how future technologies could be used.

The programme consists of a set of recommended course blocks, such as: IT Management, Information Systems Architecture and Design, Business Intelligence, Interactive Design, Global Delivery and Outsourcing, and Information Security. The programme provides both the theoretical base and practical skills in the selected areas. The degree culminates with a scientific degree project resulting in a Master's thesis.

Career

The programme is suitable for students aiming for a professional career, for example as IT architects, business architects, project managers, database architects, systems analysts, or application developers. Depending on the block of courses chosen, the student will be prepared for work in the fields business intelligence, usability engineer, web designer, interface designer, or become an expert on security, risk management or digital forensics.

Who should apply?

Stockholm University welcomes applications from graduates with a B.Sc. in Computer Science, Computer Engineering, Information Systems, and Electrical Engineering.

Why should I apply?

The programme trains professionals in the field of Computer Science and Information Systems. As a graduate, you will develop and gain a wide range of industry-related skills, which are relevant to your resumé.

More information about the programme:

Credits: 60

Language: English

Duration: 1 year

Begins: Autumn 2013

Master's Programme in Computer and Systems Sciences

The programme allows students to expand knowledge and skills in ICT systems and programming. Students will learn how to efficiently develop both advanced computer and software systems, using both agile and standard development methods.

Students will learn management skills along with technical skills, such as understanding the needs of end-users, working in groups, and project management. The programme is, to a large extent, project- and problem-oriented.

The programme is very diverse and offers the opportunity to select a specialisation or track that best suits the student's goals and ambitions, e.g. Business Intelligence, Global Delivery Models, Human Computer Interaction Design, Information and Knowledge Systems Design, Architecture, Information Security. However these are only examples, and there are also other specialisations or tracks. The degree culminates with a scientific degree project resulting in a Master's thesis.

Career

The programme is suitable for students aiming to become system designers, system developers, software developers, IT project managers, and programmers. Graduates may also enter Ph.D. programmes to pursue career in research.

Who should apply?

Stockholm University welcomes applications from graduates with a B.Sc. in Computer Science, Computer Engineering, Information Systems or Electrical Engineering.

Why should I apply?

The programme trains professionals or researchers in the field of Computer and Systems Sciences and Information Systems. As a graduate, you will develop and gain a wide range of industry-related skills, relevant skills and open up to a multitude of possibilities.

More information about the programme:

Credits: 120

Language: English

Duration: 2 years

Begins: Autumn 2013

Master's Programme in Information Systems Management

The programme will help students develop better planning, management, and technical skills necessary for leading any organisation in today's complex, digital world.

The programme focuses on the design, usage, implementation, and evolution of information systems. Students will acquire in-depth knowledge about systems architecture and information systems design, service-oriented architectures, and agile systems development.

Students will also develop a strong understanding of the role of ICT in supporting and transforming organisations and networks, including value network design, enterprise systems, business process management, business intelligence, decision support, and knowledge management.

The programme offers a great deal of flexibility, as most of the courses will be given not only as campus courses, but also as distance learning. The online courses are designed to maintain the same level of interaction between teachers and students as campus courses. The degree culminates with a scientific degree project resulting in a Master's thesis.

Career

Graduates will find positions as IT architects or enterprise architects, project managers, database administrators, systems analysts, and application developers. They may pursue careers in a variety of organisations, including large and mid-size corporations, public sector agencies, and non-governmental organisations. Graduates may also continue their academic careers through Ph.D. programmes.

Who should apply?

Students who apply to this programme should have a passion for the application of technology in business.

Why should I apply?

Apply to this programme to learn the practical knowledge and skills in management IT.

More information about the programme:

Credits: 120

Language: English

Duration: 2 years

Begins: Autumn 2013



"Whoever I talked to they has become interested in continuing their education here."
Farzad Ghasemzadeh Rahbardar, Iran



"Sweden is one of the most competitive countries in the whole world and it offers a high level education."
Zhe Wang, China



"Now that I am here I realise that I made the perfect choice." Sanja Jankolovska, Macedonia

"Studying here has made me realise how easy education is, and can become a part of life." Bosko Zherajikj, Macedonia



Master's Programme in Strategic IT Management

The programme enables students to work with ICT as a tool to address management issues at a strategic level. The programme combines a business administration approach to effectively managing ICT's potential within modern organisations. The programme is managed jointly between Stockholm University's School of Business and the Department of Computer and Systems Sciences.

Students with a major in business administration begin with a basic course in computer and systems sciences and vice versa. After this both student cohorts come together to take courses dealing with issues relevant to strategic IT management.

During the second year, two specialisation tracks are offered that consist of courses on specific topics within the area from which the student creates their own customised programme. The degree culminates with a scientific degree project resulting in a Master's thesis.

Career

Graduates can work as a business analysts or researchers, IT consultants, or management consultants, strategic planners or other positions related both to IT and management. Graduates may also enter Ph.D. programmes to pursue a research career.

Who should apply?

The programme is designed for students with a B.Sc. in either Business Administration or Computer and Systems Sciences (e.g., Computer Science, System Science, Informatics, Information Systems, etc.).

Why should I apply?

If you are a computer science student and you want to learn more about the business world, then this programme allows you to combine two different perspectives. If you are business administration student and you want to develop some IT skills, then this programme provides you with in-depth knowledge of ICT.

More information about the programme:

Credits: 120

Language: English

Duration: 2 years

Begins: Autumn 2013

Master's Programme in IT Project Management

The programme is provided entirely as a distance learning course and enables the students to study in their own country, at their own pace, fitting their specific situation. Teachers and tutors from academia and industry will provide support, and students will acquire the knowledge and skills needed to run projects as a manager in the IT field by learning the necessary tools such as project planning, economics, agile models, corporate law, negotiation techniques, and much more.

The programme consists of a theory section that covers: Project Management, Information and Communication in Projects, Controlling IT Projects, Business Strategies and IT Projects, Project Models, Business Law, Out-/insourcing, and Leadership and Group dynamics. A section is also devoted to the theoretical knowledge as applied to business cases, and coupled with practical experience in the field (10-15 weeks). The degree culminates with a scientific degree project resulting in a Master's thesis.

Career

Graduates of the programme will be eligible for positions as project managers in almost any field within the IT industry, in large or small organisations. Graduates may also enter Ph.D. programmes for a research career.

Who should apply?

Students should apply if they have a B.Sc. with at least 60 credits in the field of Computer and Systems Sciences, Information Systems or their equivalent, and if they are interested in developing project management skills.

Why should I apply?

If you want a career advancement, it is highly encouraged to participate in this programme to develop project management skills. The courses are designed by experts from both industry and academia. The course-structures are based on real needs that are faced daily by small to medium-sized enterprises as well as multinational corporates.

More information about the programme:

Credits: 120

Language: English

Duration: 2 years

Begins: Autumn 2013

Joint Master's Programme in Health Informatics

The programme is aimed at students who are interested in Information Technology and want to apply this to the medicine or healthcare fields. It is given jointly between Karolinska Institutet and Stockholm University and you will get a joint degree from both universities.

Health informatics deals with learning how to improve modern healthcare through efficient management of knowledge and health information. You will learn methods to make healthcare safer, more efficient and of higher quality through computer based information and knowledge management.

Students with a technical background start by taking courses in basic medical science and healthcare organisation and management at Karolinska Institutet while students with a background in healthcare take courses in basic computer and systems sciences at Stockholm University. After this, both groups join to focus on health informatics. In the second year, students profile their education by taking elective courses and complete a degree project.

Career

Many health informaticians work as project managers, while other common professions within the field are IT managers, clinical informaticians, application experts, requirements analysts, system specialists and developers, interaction designers, evaluators, and researchers.

Who should apply?

Students should apply who have a B.Sc. or a professional degree equivalent to a Bachelor degree in Healthcare, Biomedicine, Medical Technology, Computer and Systems Sciences, Informatics or other related subjects.

Why should I apply?

You should apply if you have the desire to take a leading role in developing healthcare through the use of ICT, and if you would like to obtain a joint degree from two world-leading research universities.

More information about the programme:

Credits: 120

Language: English

Duration: 2 years

Begins: Autumn 2013



Karolinska
Institutet

"I think the whole university has been very supportive and has been helping us out with the courses." Jannis Sideridis, Greece



"Being a computer science student is also another good opportunity to find a job in Sweden." Nazli Yasemin Sahin, Turkey



"Proximity with the teachers! You can twitter a teacher almost like a friend." Juan Aldamiz, Spain



"I was amazed with the Internet applications that you can find for each course: they are top notch." Filipe Miguel Gonçalves Almeida, Portugal

Master's Programme in ICT for Development

Information and communication technology (ICT) has become a key factor in global development. A rapid expansion of infrastructure as well as services and applications has made ICT an essential part of today's societies — both in developing and developed countries.

ICT4D is a new, interdisciplinary field that studies the use of technological innovation for socio-economic development. At Stockholm University, ICT4D follows a rights-based approach to development, with an emphasis on gender as well as environmental, economic, and social sustainability.

The ICT4D Master's Programme is an online programme based on open courseware. Leading experts and researchers in ICT4D offer students a unique opportunity to acquire up-to-date knowledge in the rapidly evolving field of ICT4D.

The Programme is sponsored by The Swedish Program for ICT in Developing Regions (Spider), a resource center for ICT4D based at DSV, Stockholm University.

Career

The programme is suitable for students aiming for professional fields where ICT is used as a tool for development, in both public and private sectors. Graduates may also enter Ph.D. programmes in order to pursue a research career.

Who should apply?

Students should apply if they have a B.Sc. or a degree equal to 180 ECTS. A minimum of 90 ECTS of that degree should be in Computer Science, Systems Science, Informatics, or Information Systems.

Why should I apply?

This programme prepares students for work in highly dynamic environments of ICT4D, including international organisations, NGOs, government agencies, and global businesses.

More information about the programme:

Credits: 120

Language: English

Duration: 2 year

Begins: Autumn 2013

A world-leading university in the capital of Sweden

Welcome to Stockholm University, founded in 1878 in Stockholm, Sweden's capital city. Stockholm University is one of Sweden's largest institutions of higher education, and is the region's centre for higher education and research in humanities, law, social sciences and science, and also functions as a hub for international research.

One of Sweden's leading IT departments

The Department of Computer and Systems Sciences (DSV) belongs to the Faculty of Social Sciences, and since 1966 has been a preferred source of academic knowledge within Sweden as well as the international scene. Located in the middle of one of the world's largest ICT clusters, Kista Science City, this provides unique opportunities to incorporate the industry practice into all aspects of academic activities.

Kista Campus

The learning environment at Kista Campus is modern, with rooms for project work, lecture halls, and computer labs with the latest technology that are continually updated. A wireless network covers the entire campus, and students also have access to a large and modern IT library with both electronic and printed issues.

Study with us

Students studying at Stockholm University are ensured of receiving an education of the highest quality that will prepare them for the demands of a global working life. Regular encounters with professors and researchers provide students with insights into current academic debates and the most recent scientific findings. Contacts between students and future employers are established by means of employment days and thesis work performed in the industry.

Fees and application

Fees do not apply to students from EU/EEA/Switzerland. Applicants from countries outside the EU/EEA/Switzerland are required to pay both application and tuition fees. For more information about fees for students, please visit www.su.se/english/study/prospective-students/fees

Final applications are due for students from the EU/EEA/Switzerland on April 15th, and for students from other parts of the world, it is January 15th. Apply online at www.universityadmissions.se

Sweden in brief

Sweden is the home of the Nobel Prize, the world's most prestigious academic distinction. Sweden is a safe and modern country, offering a high quality of life. According to a Newsweek study of health, economy, and politics Sweden ranks third in the world overall. Most Swedish people speak English, and it is also the official working language of many Swedish companies.