

# EXAMENSBEVIS

*Degree Certificate*

Jakob Nordström

720411 - 0675

har den 28 december 2001 avlagt

Filosofie magisterexamen

med datalogi som

huvudämne.

Degree of Master of Science

with a Major in Computer Science.



STOCKHOLMS UNIVERSITET

*Gustaf Lindencrona*  
REKTOR

*Sten Erik Jacobson*

EXAMEN HAR AVLAGTS I ENLIGHET MED HÖGSKOLEFÖRORDNINGEN 1993 (SFS 1993:100).  
THE DEGREE HAS BEEN AWARDED IN ACCORDANCE WITH THE HIGHER EDUCATION ORDINANCE OF 1 JULY, 1993.  
KURSUUTDRAG REDOVISAS PÅ SEPARAT BILAGA. TRANSCRIPT OF ACADEMIC RECORD IS GIVEN IN A SEPARATE ANNEX.



## OFFICIAL TRANSCRIPT OF RECORD

Date of Issue

2001-12-28

### STOCKHOLM UNIVERSITY

Sweden

Name

Jakob Nordström

Civic Registration Number

720411 - 0675

has passed the following courses and been awarded the following degree at Stockholm University in accordance with the Higher Education Ordinance (1993:100).

Courses Passed Subject	Points <sup>1</sup>	Grade <sup>2</sup>	Date
<i>Royal Institute of Technology:</i>			
Parallel Computer Systems	05	Four (4) <sup>3</sup>	1997-06-05
<i>Stockholm University:</i>			
Intermediate Course in Mathematics	05	Pass with Distinction	1994-11-23
Basic Course in Mathematics	30	Pass with Distinction	1995-08-25
Logic, Advanced Course in Mathematics	05	Pass with Distinction	1995-10-23
Combinatorics, Advanced Course	05	Pass with Distinction	1995-12-20
Basic Course in Mathematical Statistics	15	Pass with Distinction	1996-01-17
Advanced Course in Mathematics, Analytic Functions	05	Pass with Distinction	1996-04-10
Advanced Course in Mathematics, Optimization	05	Pass with Distinction	1996-05-23
Advanced Course in Mathematics, Ordinary Differential Equations	05	Pass with Distinction	1996-06-06
Numerical and Applied Mathematics, Basic Course	10	Pass	1996-09-23
Study Programme in Mathematics-Computer Science	25		1998-12-07
Project Work		Pass	
Interaction with Graphic Interfaces		Pass	
Complexity		Pass with Distinction	
Implementation of Programming Languages		Pass with Distinction	
Computer Science, Intermediate Course I		Pass with Distinction	
Advanced Course in Mathematics, Foundations of Analysis	05	Pass with Distinction	1999-05-20
Degree Project in Computer Science*	20	Pass with Distinction	2001-11-13
Programming Techniques and Applied Mathematical Analysis**	10	Pass	2001-12-14
Algorithms, Data Structures and Documentation Technology	10	Pass with Distinction	2001-12-14
Total Sum:		160	

\* Thesis: Stålmarck's Method Versus Resolution: A Comparative Theoretical Study.

\*\* Including 3 points which have been transferred from studies at Royal Institute of Technology.

- 40 points represent a full academic year, 1 point equals one week of full time study.
- The following grading system is used: Pass, Pass with Distinction.
- According to the Grade Scale Used by the Faculty of Technology: Pass (3), Pass with Distinction (4), High Pass (5).

Degree Awarded

Master of Science with a Major in Computer Science

Date

2001-12-28

Henrik Jacobsson  
Senior Administrative Officer



## SUPPLEMENT TO OFFICIAL TRANSCRIPT OF RECORD

### General information

Stockholm University offers undergraduate and postgraduate education and research in four faculties:

- Humanities
- Law
- Social Sciences
- Natural Sciences with sections for Mathematics and Physics, Chemistry, Biology, Earth Sciences

### Undergraduate education

#### Courses and programmes

Undergraduate education consists of a number of courses in each faculty, and study programmes. Programmes are either oriented towards a certain profession or are of a more general nature. The programmes consist of several courses.

The length of a course is indicated by a system of points. One point corresponds to one week of full time study. A full academic year consists of 40 points (1 point is equivalent to 1,5 credits according to the European Credit Transfer System, ECTS). The level of courses is often indicated by the terms Basic, Intermediate, Advanced and Specialized Course, each level usually comprising 20 points.

#### Tests and grades

Examination procedures vary between departments and courses. Most courses contain several tests. There are usually three grades, Fail, Pass and Pass with distinction.

#### Degrees

A degree certificate or a diploma is awarded to students who have either passed all courses within a study programme or completed courses outside programmes corresponding to the specific requirements for the degree/diploma in question.

From July 1<sup>st</sup>, 1993, the following requirements apply for diplomas and degrees:

- Högskoleexamen (University Diploma) requires at least 80 points
- Kandidatexamen (Degree of Bachelor) requires at least 120 points
- Magisterexamen (Degree of Master) requires at least 160 points

For a Degree of Bachelor, the student must have completed courses of at least 60 points in his/her major subject, including a degree project of 10 points. For a Degree of Master, the major subject must comprise at least 80 points, including a degree project of 20 points or two degree projects of 10 points each.

The following professional degrees are awarded at Stockholm University:

- Juris kandidatexamen (Degree of Master of Laws)
- Psykologexamen (Degree of Master of Science in Psychology)
- Socionomexamen (Degree of Bachelor of Science in Social Work)

### Postgraduate education

From July 1<sup>st</sup> 1993, the general requirements for admission to postgraduate studies are completed studies of 120 points. The student must also meet special requirements pertaining to his/her major subject. In most cases the student must have completed courses of at least 60 points in that subject. Sometimes there are also minor requirements for a subsidiary subject.

Studies for a doctor's degree comprise 160 points and ideally take four years. The student must complete graduate courses - usually 80 points - and write a dissertation which is defended at a public discussion.

Studies for a licentiate degree comprise 80 points, including a thesis of at least 40 points.