

# **Bachelor's programme in Information Systems Analysis**

Kandidatprogrammet i systemvetenskap 180 credits

F7KSY

Valid from: 2022 Autumn semester

2 (7)

#### **Determined by**

Board of the Faculty of Arts and Sciences

**Date determined** 

2006-08-30

Revised by

Course and Programme Syllabus Board at the Faculty of Arts and Sciences

**Revision date** 

2014-11-28; 2016-04-11; 2017-10-20; 2021-06-28

**Registration number** 

LiU-2016-00210; LiU-2021-01431

Offered first time

Autumn semester 2007

Offered for the last time

Replaced by



3 (7)

# **Entry requirements**

General entry requirements for undergraduate studies and Social Studies and Mathematics corresponding to the level in Swedish upper secondary education (Samhällskunskap 1b or 1a1 and 1a2 or Samhällskunskap nivå 1b or nivå 1a2 and Matematik 2a/2b/2c or Matematik B or Matematik nivå 2a or nivå 2b or nivå 2c).

# Degree in Swedish

Filosofie kandidatexamen med huvudområde Informatik

# Degree in English

Degree of Bachelor of Science with a major in Information Systems



# Curriculum

## Semester 1 (Autumn 2026)

#### Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G92	Problem Solving and Programming	7.5	G1N		1	С
725G96	Introduction to Information Systems – human, technology, organization	7.5	G1N		2/4	С
726G35	Discrete Mathematics and Logic	7.5	G1N		2/3/4	С
726G37	IT-projects and Project Management	7.5	G1N		2/4	С

#### Semester 2 (Spring 2027)

#### Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G87	User Perspectives on Digital Design	7.5	G1N		-	С
725G88	Qualitative Methods in Theory and Practice	7.5	G1N		-	С
725G90	Object Oriented Programming in Java	7.5	G1N		1	С
726G83	Information Systems Development	7.5	G1N		2/4	С

# Semester 3 (Autumn 2027)

Specialisation: Management and organisational development - Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G70	Management Accounting and Decision Support	7.5	G1N		2/4	С
725G28	Databases and Data Modelling	7.5	G1N		2/4	С
725G49	Enterprise Systems	7.5	G1N		1/3	С
725G94	Organisational Development and Digitalization	7.5	G1N		1/3	С



#### $Specialisation: System\ development-Preliminary\ courses$

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G70	Management Accounting and Decision Support	7.5	G1N		2/4	С
725G28	Databases and Data Modelling	7.5	G1N		2/4	С
725G49	Enterprise Systems	7.5	G1N		1/3	С
725G97	Data Structures and Algorithms	7.5	G1N		3	С

# Semester 4 (Spring 2028)

Specialisation: Management and organisational development - Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G86	The Digitalization of Society	7.5	G1N		-	С
725G98	Perspectives on Security and IT	7.5	G1N		-	С
726G01	Information Technology Law for Systems Analysts	7.5	G1N		-	С
726G30	Sustainable Agile Project Management	7.5	G1N		-	С

#### $Specialisation: System\ development-Preliminary\ courses$

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G86	The Digitalization of Society	7.5	G1N		-	С
725G98	Perspectives on Security and IT	7.5	G1N		-	С
726G01	Information Technology Law for Systems Analysts	7.5	G1N		-	С
726G30	Sustainable Agile Project Management	7.5	G1N		-	С

## Semester 5 (Autumn 2028)

#### Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
729G46	Information Technology and Programming	12	G1N		1	E



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# Specialisation: Management and organisational development — Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
726G31	Digital Innovation Strategy and Entrepreneurship	7.5	G2F		1	E
726G33	Co-creating Digital Solutions and Automation	7.5	G2F		-	E
Course	Specialisation: System develop			Ü	urses Timetable	FCV
code	Course name	Credits	Level	Weeks	module	ECV

## Semester 6 (Spring 2029)

725G64 Software Engineering

#### Preliminary courses

12

G2F

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G36	Bachelor Thesis in Information Systems	15	G2E		-	С

# $Specialisation: Management\ and\ organisational\ development-Preliminary\\ courses$

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G89	Systems Analyst as a Profession: Man, Technology and Organisation	7.5	G2F		-	С
726G74	Bachelor Thesis in Information Systems - Emphasis on Management and organizational development	15	G2E		-	С
726G76	Research Methods in Social Sciences	7.5	G2F		-	С

#### $Specialisation: System\ development-Preliminary\ courses$

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G89	Systems Analyst as a Profession: Man, Technology and Organisation	7.5	G2F		-	С
726G75	Bachelor Thesis in Information Systems - Emphasis on Systems Development	15	G2E		-	С
726G76	Research Methods in Social Sciences	7.5	G2F		-	С



**LINKÖPING UNIVERSITY**FACULTY OF ARTS AND SCIENCES

BACHELOR'S PROGRAMME IN INFORMATION SYSTEMS
ANALYSIS
APPROVED

7 (7)

ECV = Elective / Compulsory /Voluntary \*Kursen läses över flera terminer

