

# **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 and Matematik 2a/2b/2c or Matematik B)

## 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 2025)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G96	Introduction to Information Systems – human, technology, organization	7.5	G1N	v202534- 202539	2/4	С
725G92	Problem Solving and Programming	7.5	G1N	v202536- 202603	1	С
726G37	IT-projects and Project Management	7.5	G1N	v202540- 202545	2/4	С
726G35	Discrete Mathematics and Logic	7.5	G1N	v202546- 202603	2/3/4	С

## Semester 2 (Spring 2026)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G90	Object Oriented Programming in Java	7.5	G1N	v202604- 202613	1	С
726G83	Information Systems Development	7.5	G1N	v202604- 202613	2/4	С
725G88	Qualitative Methods in Theory and Practice	7.5	G1N	v202614- 202618	-	С
725G87	User Perspectives on Digital Design	7.5	G1N	v202619- 202623	-	С

## Semester 3 (Autumn 2026)

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 2027)

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 2027)

#### Preliminary courses

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



# 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
	Specialisation: System develop	ment — .	Prelim	inary co	urses	
Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G64	Software Engineering	12	G2F		1	Е

## Semester 6 (Spring 2028)

#### Preliminary courses

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

