

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

Kandidatprogrammet i systemvetenskap  
180 credits

F7KSY

Valid from: 2022 Autumn semester

**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**

## 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 2024)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G96	Introduction to Information Systems – human, technology, organization	7.5	G1N	v202434-202439	2/4	C
725G92	Problem Solving and Programming	7.5	G1N	v202436-202503	1	C
726G37	IT-projects and Project Management	7.5	G1N	v202440-202445	2/4	C
726G35	Discrete Mathematics and Logic	7.5	G1N	v202446-202503	2/3/4	C

### Semester 2 (Spring 2025)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G90	Object Oriented Programming in Java	7.5	G1N	v202504-202513	1	C
726G83	Information Systems Development	7.5	G1N	v202504-202513	2/4	C
725G88	Qualitative Methods in Theory and Practice	7.5	G1N	v202514-202518	-	C
725G87	User Perspectives on Digital Design	7.5	G1N	v202519-202523	-	C

### Semester 3 (Autumn 2025)

#### *Specialisation: Management and organisational development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G70	Management Accounting and Decision Support	7.5	G1N	v202534-202543	2/4	C
725G94	Organisational Development and Digitalization	7.5	G1N	v202534-202543	1/3	C
725G28	Databases and Data Modelling	7.5	G1N	v202544-202603	2/4	C
725G49	Enterprise Systems	7.5	G1N	v202544-202603	1/3	C

*Specialisation: System development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G70	Management Accounting and Decision Support	7.5	G1N	v202534-202543	2/4	C
725G97	Data Structures and Algorithms	7.5	G1N	v202536-202544	3	C
725G28	Databases and Data Modelling	7.5	G1N	v202544-202603	2/4	C
725G49	Enterprise Systems	7.5	G1N	v202544-202603	1/3	C

**Semester 4 (Spring 2026)**

*Specialisation: Management and organisational development – Preliminary courses*

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

*Specialisation: System development – Preliminary courses*

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

## Semester 5 (Autumn 2026)

*Specialisation: Management and organisational development – Preliminary courses*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G54	Business Ethics in a Globalized World	7.5	G1N		-	E
723G58	Entrepreneurship and Business Development	7.5	G1N		-	E
723G66	International Business	7.5	G2F		-	E
723G92	Organization Theory and Analysis	7.5	G1N		-	E
723G94	Leadership across Cultures	7.5	G1N		-	E
723G96	Human Resource Management	7.5	G1N		-	E
725G44	Practical Training - Information Technology and Business	15	G2F		-	E
726G31	Digital Innovation Strategy and Entrepreneurship	7.5	G2F		1	E
726G32	Business Intelligence and Data-driven Business Models	7.5	G2F		3	E
726G33	Co-creating Digital Solutions and Automation	7.5	G2F		-	E
729G85	Interaction Design and User Experience	9	G2F		1	E
732G50	Introductory Statistics	7.5	G1N		-	E
747A53	Information Technology Law, continuation course	7.5	A1N		-	E
772G11	Sustainable Business - Integrating sustainability in business practice	7.5	G2F		-	E

*Specialisation: System development – Preliminary courses*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G44	Practical Training - Information Technology and Business	15	G2F		-	E
725G64	Software Engineering	12	G2F		1	E
725G66	Programming in C# and the NET Framework	4	G2F		3	E
726A88	Software Testing	6	A1N		2	E
726G77	Programming in C++	6	G2F		1/2	E
726G81	Computer Security	6	G2F		2	E
729G85	Interaction Design and User Experience	9	G2F		1	E
729G87	Interaction Programming	6	G2F		3	E
732G50	Introductory Statistics	7.5	G1N		-	E

**Semester 6 (Spring 2027)**

*Preliminary courses*

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

*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		-	C
726G74	Bachelor Thesis in Information Systems - Emphasis on Management and organizational development	15	G2E		-	C
726G76	Research Methods in Social Sciences	7.5	G2F		-	C

*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		-	C
726G75	Bachelor Thesis in Information Systems - Emphasis on Systems development	15	G2E		-	C
726G76	Research Methods in Social Sciences	7.5	G2F		-	C

ECV = Elective / Compulsory / Voluntary

\*Kursen läses över flera terminer