

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 2025)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
726G35	Discrete Mathematics and Logic	7.5	G1N	v202546-202603	2/3/4	C

Semester 2 (Spring 2026)

Preliminary courses

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

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	C
725G28	Databases and Data Modelling	7.5	G1N		2/4	C
725G49	Enterprise Systems	7.5	G1N		1/3	C
725G94	Organisational Development and Digitalization	7.5	G1N		1/3	C

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	C
725G28	Databases and Data Modelling	7.5	G1N		2/4	C
725G49	Enterprise Systems	7.5	G1N		1/3	C
725G97	Data Structures and Algorithms	7.5	G1N		3	C

Semester 4 (Spring 2027)

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 2027)

Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
772G11	Sustainable Business - Integrating sustainability in business practice	7.5	G2F		-	

Specialisation: Management and organisational development – Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G66	International Business	7.5	G2F		-	E
729G85	Interaction Design and User Experience	9	G2F		1	E

Specialisation: System development – Preliminary courses

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
729G85	Interaction Design and User Experience	9	G2F	1		E
729G87	Interaction Programming	6	G2F	3		E

Semester 6 (Spring 2028)

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