LINKÖPINGS UNIVERSITET

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

LINKÖPINGS UNIVERSITET

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 2023)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G96	Introduction to Information Systems – human, technology, organization	7.5	G1N	v202334-202339	2/4	C
725G92	Problem Solving and Programming	7.5	G1N	v202335-202402	1	C
726G37	IT-projects and Project Management	7.5	G1N	v202340-202345	2/4	C
726G35	Discrete Mathematics and Logic	7.5	G1N	v202346-202402	2/3/4	C

Semester 2 (Spring 2024)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G90	Object Oriented Programming in Java	7.5	G1N	v202403-202411	1	C
726G83	Information Systems Development	7.5	G1N	v202404-202413	2/4	C
725G88	Qualitative Methods in Theory and Practice	7.5	G1N	v202414-202418	-	C
725G87	User Perspectives on Digital Design	7.5	G1N	v202419-202423	-	C

Semester 3 (Autumn 2024)

Specialisation: Management and organisational development

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G70	Management Accounting and Decision Support	7.5	G1N	v202434-202443	2/4	C
725G94	Organisational Development and Digitalization	7.5	G1N	v202434-202443	1/3	C
725G28	Databases and Data Modelling	7.5	G1N	v202444-202503	2/4	C
725G49	Enterprise Systems	7.5	G1N	v202444-202503	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	v202434-202443	2/4	C
725G97	Data Structures and Algorithms	7.5	G1N	v202436-202444	3	C
725G28	Databases and Data Modelling	7.5	G1N	v202444-202503	2/4	C
725G49	Enterprise Systems	7.5	G1N	v202444-202503	1/3	C

Semester 4 (Spring 2025)

Specialisation: Management and organisational development

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G86	The Digitization of Society	7.5	G1N	v202504-202508	-	C
726G01	Information Technology Law for Systems Analysts	7.5	G1N	v202509-202513	-	C
726G30	Sustainable Agile Project Management	7.5	G1N	v202514-202518	-	C
725G98	Perspectives on Security and IT	7.5	G1N	v202519-202523	-	C

Specialisation: System development

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G86	The Digitization of Society	7.5	G1N	v202504-202508	-	C
726G01	Information Technology Law for Systems Analysts	7.5	G1N	v202509-202513	-	C
726G30	Sustainable Agile Project Management	7.5	G1N	v202514-202518	-	C
725G98	Perspectives on Security and IT	7.5	G1N	v202519-202523	-	C

Semester 5 (Autumn 2025)

Specialisation: Management and organisational development

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G54	Business Ethics in a Globalized World	7.5	G1N	v202534-202538	-	E
723G92	Organization Theory and Analysis	7.5	G1N	v202534-202538	-	E
726G33	Co-creating Digital Solutions and Automation	7.5	G2F	v202534-202538	-	E
732G50	Introductory Statistics	7.5	G1N	v202534-202538	-	E
729G85	Interaction Design and User Experience	9	G2F	v202534-202544	1	E
725G44	Practical Training - Information Technology and Business	15	G2F	v202534-202603	-	E
723G58	Entrepreneurship and Business Development	7.5	G1N	v202539-202543	-	E
723G94	Leadership across Cultures	7.5	G1N	v202539-202543	-	E
723G96	Human Resource Management	7.5	G1N	v202544-202548	-	E
772G11	Sustainable Business - Integrating sustainability in business practice	7.5	G2F	v202544-202548	-	E
726G31	Digital Innovation Strategy and Entrepreneurship	7.5	G2F	v202544-202603	1	E
726G32	Business Intelligence and Data-driven Business Models	7.5	G2F	v202544-202603	3	E
723G66	International Business	7.5	G2F	v202549-202603	-	E
747A53	Information Technology Law, continuation course	7.5	A1N	v202549-202603	-	E

Specialisation: System development

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
732G50	Introductory Statistics	7.5	G1N	v202534-202538	-	E
729G85	Interaction Design and User Experience	9	G2F	v202534-202544	1	E
725G44	Practical Training - Information Technology and Business	15	G2F	v202534-202603	-	E
726A88	Software Testing	6	A1N	v202536-202544	2	E
725G64	Software Engineering	12	G2F	v202536-202603	1	E
726G77	Programming in C++	6	G2F	v202536-202603	1/2	E
725G66	Programming in C# and the NET Framework	4	G2F	v202545-202603	3	E
726G81	Computer Security	6	G2F	v202545-202603	2	E
729G87	Interaction Programming	6	G2F	v202545-202603	3	E

Semester 6 (Spring 2026)

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