

# Bachelor's programme in Information Systems Analysis

180 credits

Kandidatprogrammet i systemvetenskap

F7KSY

Valid from: 2020 Autumn semester

**Determined by**

Board of the Faculty of Arts and Sciences

**Date determined**

2006-08-30

**Revision date**

2014-11-28; 2016-04-11; 2017-10-20;  
2020-03-09

## Entry requirements

General entry requirements for undergraduate studies  
and  
Mathematics and Social Studies corresponding to the level in Swedish upper  
secondary education (Matematik 3 and Samhällskunskap 1b/(1a1 and 1a2))

## Degree in Swedish

Filosofie kandidatexamen i huvudområdet informatik inom programmet  
systemvetenskap, med alternativt tillägg för vald inriktning:

- Management och verksamhetsutveckling
- Systemutveckling

## Degree in English

Degree of Bachelor of Science in Information System within the Bachelor  
Programme in Information Systems Analysis with alternative specialization:

- Management and organisational development
- System development

## Curriculum

### Semester 1 (Autumn 2020)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G96	Introduction to Information Systems – human, technology, organization	7.5	G1X	v202035-202040	2/4	C
725G92	Problem solving and programming	7.5	G1X	v202036-202102	3	C
725G95	IT-projects and project management	7.5	G1N	v202041-202046	2/4	C
726G35	Discrete Mathematics and Logic	7.5	G1N	v202046-202102	-	C

### Semester 2 (Spring 2021)

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G90	Object Oriented Programming in Java	7.5	G1X	v202103-202111	1	C
726G83	Information Systems Development	7.5	G1N	v202103-202112	2/4	C
725G88	Qualitative methods in theory and practice	7.5	G1X	v202113-202117	-	C
725G87	User perspectives on digital design	7.5	G1N	v202118-202122	-	C

### Semester 3 (Autumn 2021)

*Specialisation: Management and organisational development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
723G70	Management Accounting and Decision Support	7.5	G1N	v202135-202144	2/4	C
725G94	Organisational Development and Digitalization	7.5	G1N	v202135-202144	1/3	C
725G28	Databases and Data Modelling	7.5	G1N	v202145-202203	2/4	C
725G49	Enterprise Systems	7.5	G1N	v202145-202203	1/3	C

*Specialisation: System development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G97	Data Structures and Algorithms	7.5	G1N	v202135-202143	3	C
723G70	Management Accounting and Decision Support	7.5	G1N	v202135-202144	2/4	C
725G28	Databases and Data Modelling	7.5	G1N	v202145-202203	2/4	C
725G49	Enterprise Systems	7.5	G1N	v202145-202203	1/3	C

**Semester 4 (Spring 2022)**

*Specialisation: Management and organisational development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G86	The Digitization of Society	7.5	G1N	v202204-202208	-	C
725G99	Sustainable IT-projects and IT-Governance	15	G1N	v202209-202218	-	C
725G98	Perspectives on Security and IT	7.5	G1N	v202219-202223	-	C

*Specialisation: System development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G86	The Digitization of Society	7.5	G1N	v202204-202208	-	C
725G99	Sustainable IT-projects and IT-Governance	15	G1N	v202209-202218	-	C
725G98	Perspectives on Security and IT	7.5	G1N	v202219-202223	-	C

## Semester 5 (Autumn 2022)

### *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	v202234-202238	-	E
723G92	Organization Theory and Analysis	7.5	G1N	v202234-202238	-	E
732G50	Introductory Statistics, basic course	7.5	G1N	v202234-202238	-	E
725G44	Practical Training - Information Technology and Business	15	G2F	v202234-202303	-	E
723G58	Entrepreneurship and Business Development	7.5	G1N	v202239-202243	-	E
723G94	Leadership across Cultures	7.5	G1N	v202239-202243	-	E
723G62	Sustainable Business - an ecological perspective	7.5	G1N	v202244-202248	-	E
723G96	Human Resource Management	7.5	G1N	v202244-202248	-	E
723G66	International Business	7.5	G1N	v202249-202303	-	E

*Specialisation: System development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
732G50	Introductory Statistics, basic course	7.5	G1N	v202234-202238	-	E
725G44	Practical Training - Information Technology and Business	15	G2F	v202234-202303	-	E
726A88	Software Testing	6	A1N	v202235-202243	-	E
729G85	Interaction Design and User Experience	9	G2F	v202235-202245	1	E
725G64	Software Engineering	12	G2F	v202235-202302	1	E
726G77	Programming in C++	6	G2F	v202235-202302	-	E
726G82	Advanced Programming in C++	6	G2F	v202235-202302	2	E
725G66	Programming in C# and the NET Framework	4	G2F	v202244-202302	3	E
726G81	Computer Security	6	G2F	v202244-202302	2	E
729G87	Interaction Programming	6	G2F	v202246-202302	3	E

**Semester 6 (Spring 2023)**

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
725G36	Bachelor Thesis in Information Systems	15	G2E	v202309-202318	-	C

*Specialisation: Management and organisational development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
726G76	Research Methods in Social Sciences	7.5	G2F	v202304-202308	-	C
726G74	Bachelor Thesis in Information Systems - Emphasis on Management and organizational development	15	G2E	v202309-202318	-	C
725G89	Systems Analyst as a Profession: man, technology and organisation	7.5	G2F	v202319-202323	-	C

*Specialisation: System development*

Course code	Course name	Credits	Level	Weeks	Timetable module	ECV
726G76	Research Methods in Social Sciences	7.5	G2F	v202304-202308	-	C
726G75	Bachelor Thesis in Information Systems - Emphasis on Systems development	15	G2E	v202309-202318	-	C
725G89	Systems Analyst as a Profession: man, technology and organisation	7.5	G2F	v202319-202323	-	C

ECV = Elective / Compulsory /Voluntary

\*Kursen läses över flera terminer