

# Bachelor programme in Information Systems Analysis

180 credits

Kandidatprogrammet i systemvetenskap

F7KSY

Valid from: 2016 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;2016-10-20

## Entry requirements

Fluency in Swedish. General requirements. Mathematics B and Civics A.

## Degree in Swedish

Utbildningsprogrammet ger möjlighet till att erhålla Filosofie kandidatexamen i huvudområdet informatik inom programmet systemvetenskap med alternativt tillägg för vald inriktning:

- Management och verksamhetsutveckling
- Systemutveckling

## Degree in English

Bachelor of Science in Information Systems within the Bachelor Programme in Information Systems with alternative additions:

- Management and organisational development
- System development

## Curriculum

### Semester 1 (Autumn 2017)

| Course code | Course name   | Credits | Level | Weeks          | ECV |
|-------------|---|---------|-------|----------------|-----|
| 725G96      | Introduction to Information Systems – human, technology, organization | 7.5     | G1X   | v201734-201739 | C   |
| 725G92      | Problem solving and programming                                       | 7.5     | G1X   | v201735-201802 | C   |
| 725G95      | IT-projects and project management                                    | 7.5     | G1X   | v201740-201745 | C   |
| 725G93      | Information Systems Development                                       | 15*     | G1X   | v201746-201813 | C   |

### Semester 2 (Spring 2018)

| Course code | Course name                                | Credits | Level | Weeks          | ECV |
|-------------|--|---------|-------|----------------|-----|
| 725G93      | Information Systems Development            | 15*     | G1X   | v201746-201813 | C   |
| 725G90      | Object Oriented Programming in Java        | 7.5     | G1X   | v201803-201813 | C   |
| 725G88      | Qualitative methods in theory and practice | 7.5     | G1X   | v201814-201818 | C   |
| 725G87      | User perspectives on digital design        | 7.5     | G1X   | v201819-201823 | C   |

### Semester 3 (Autumn 2018)

| Course code | Course name                                | Credits | Level | Weeks          | ECV |
|-------------|--|---------|-------|----------------|-----|
| 723G70      | Management Accounting and Decision Support | 7.5     | G1X   | v201834-201843 | C   |
| 725G28      | Databases and Data Modelling               | 7.5     | G1X   | v201844-201903 | C   |
| 725G49      | Enterprise Systems                         | 7.5     | G2X   | v201844-201903 | C   |

*Specialisation: Management and organisational development*

| Course code | Course name                                   | Credits | Level | Weeks          | ECV |
|-------------|---|---------|-------|----------------|-----|
| 725G94      | Organisational development and digitalization | 7.5     | G1X   | v201834-201843 | C   |

*Specialisation: System development*

| Course code | Course name                    | Credits | Level | Weeks          | ECV |
|-------------|--------------------------------|---------|-------|----------------|-----|
| 725G97      | Data Structures and Algorithms | 7.5     | G1X   | v201836-201844 | C   |

**Semester 4 (Spring 2019)**

| Course code | Course name                               | Credits | Level | Weeks          | ECV |
|-------------|---|---------|-------|----------------|-----|
| 725G86      | The digitization of society               | 7.5     | G1X   | v201904-201908 | C   |
| 725G99      | Sustainable IT-projects and IT-Governance | 15      | G1X   | v201909-201918 | C   |
| 725G98      | Perspectives on Security and IT           | 7.5     | G1N   | v201919-201923 | C   |

## Semester 5 (Autumn 2019)

*Specialisation: Management and organisational development*

| Course code | Course name  | Credits | Level | Weeks          | ECV |
|-------------|--|---------|-------|----------------|-----|
| 723G54      | Business Ethics in a Globalized World                    | 7.5     | G2X   | v201934-201938 | E   |
| 723G56      | Classics of Organization Theory                          | 7.5     | G2X   | v201934-201938 | E   |
| 732G50      | Introductory Statistics, basic course                    | 7.5     | G1X   | v201934-201938 | E   |
| 725G44      | Practical Training - Information Technology and Business | 15      | G2X   | v201934-202003 | E   |
| 723G58      | Entrepreneurship and Business Development                | 7.5     | G2X   | v201939-201943 | E   |
| 723G60      | Leadership and Culture                                   | 7.5     | G2X   | v201939-201943 | E   |
| 723G62      | Sustainable Business - an ecological perspective         | 7.5     | G2X   | v201944-201948 | E   |
| 723G64      | HRM and Leadership                                       | 7.5     | G2X   | v201944-201948 | E   |
| 723G66      | International Business                                   | 7.5     | G2X   | v201949-202003 | E   |

*Specialisation: System development*

| Course code | Course name  | Credits | Level | Weeks          | ECV |
|-------------|--|---------|-------|----------------|-----|
| 732G50      | Introductory Statistics, basic course                    | 7.5     | G1X   | v201934-201938 | E   |
| 729G22      | Interaction Design                                       | 6       | G2X   | v201934-201943 | E   |
| 725G44      | Practical Training - Information Technology and Business | 15      | G2X   | v201934-202003 | E   |
| 725G64      | Software Engineering                                     | 12      | G2X   | v201936-202003 | E   |
| 726G77      | Programming in C++                                       | 6       | G2X   | v201936-202003 | E   |
| 726G82      | Advanced Programming in C++                              | 6       | G2F   | v201936-202003 | E   |
| 729G26      | Interaction Programming                                  | 6       | G2X   | v201944-202003 | E   |
| 725G66      | Programming in C# and the NET Framework                  | 4       | G2X   | v201945-202003 | E   |
| 726G81      | Computer Security  | 6       | G2F   | v201945-202003 | E   |

**Semester 6 (Spring 2020)**

| Course code | Course name   | Credits | Level | Weeks          | ECV |
|-------------|---|---------|-------|----------------|-----|
| 725G53      | Research Methods in Social Sciences                               | 7.5     | G1X   | v202004-202008 | C   |
| 726G76      | Research Methods in Social Sciences                               | 7.5     | G2F   | v202004-202008 | C   |
| 725G36      | Bachelor Thesis in Information Systems                            | 15      | G1X   | v202009-202018 | C   |
| 725G89      | Systems Analyst as a profession: man, technology and organisation | 7.5     | G1X   | v202019-202023 | C   |

*Specialisation: Management and organisational development*

| Course code | Course name  | Credits | Level | Weeks          | ECV |
|-------------|--|---------|-------|----------------|-----|
| 726G74      | Bachelor Thesis in Information Systems - Emphasis on Management and organizational development | 15      | G2E   | v202009-202018 | C   |

*Specialisation: System development*

| Course code | Course name   | Credits | Level | Weeks              | ECV |
|-------------|---|---------|-------|--------------------|-----|
| 726G75      | Bachelor Thesis in Information Systems -<br>Emphasis on Systems development | 15      | G2E   | v202009-<br>202018 | C   |

\* The course is divided into several semesters and/or periods.