

# Bachelor's Programme in Statistics and Data Analysis

180 credits

Kandidatprogrammet i statistik och dataanalys

F7KSA

Valid from: 2017 Autumn semester

**Determined by**

Board of the Faculty of Arts and Sciences

**Date determined**

2006-08-30

**Revision date**

2014-02-14; 2016-03-18

## Entry requirements

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

## Degree in Swedish

Filosofie kandidatexamen, 180 hp med statistik som huvudområde.

## Degree in English

Bachelor of Science with a major in Statistics, 180 credits.

## Curriculum

### Semester 1 (Autumn 2017)

| Course code | Course name                             | Credits | Level | Weeks          | ECV |
|-------------|-----------------------------------------|---------|-------|----------------|-----|
| 732G30      | Introduction to Statistical Methodology | 20      | G1X   | v201734-201803 | C   |
| 732G31      | Visual data analysis                    | 6       | G1X   | v201737-201751 | C   |
| 732G44      | Official Statistics and Data Ethics     | 4       | G1X   | v201737-201751 | C   |

### Semester 2 (Spring 2018)

| Course code | Course name                       | Credits | Level | Weeks          | ECV |
|-------------|-----------------------------------|---------|-------|----------------|-----|
| 732G33      | Programming in R                  | 7.5     | G1X   | v201803-201813 | C   |
| 764G01      | Linear Algebra                    | 7.5     | G1X   | v201804-201813 | C   |
| 732G38      | Survey Methods                    | 7.5     | G1X   | v201814-201823 | C   |
| 732G42      | Introductory Time Series Analysis | 7.5     | G1N   | v201814-201823 | C   |

### Semester 3 (Autumn 2018)

| Course code | Course name                                  | Credits | Level | Weeks          | ECV |
|-------------|----------------------------------------------|---------|-------|----------------|-----|
| 732G46      | Regression Analysis and Analysis of Variance | 15      | G1X   | v201834-201903 | C   |
| 764G07      | Mathematical Analysis                        | 15      | G1X   | v201834-201903 | C   |

## Semester 4 (Spring 2019)

| Course code | Course name                       | Credits | Level | Weeks          | ECV |
|-------------|-----------------------------------|---------|-------|----------------|-----|
| 732G20      | Theory of Statistics I            | 7.5     | G1X   | v201904-201911 | C   |
| 732G16      | Databases: Design and Programming | 7.5     | G1N   | v201904-201923 | C   |
| 732G17      | Introduction to SAS programming   | 7.5     | G1X   | v201904-201923 | C   |
| 732G38      | Survey Methods                    | 7.5     | G1X   | v201904-201923 | C   |
| 732G39      | Statistics Project                | 7.5     | G1X   | v201904-201923 | C   |

## Semester 5 (Autumn 2019)

| Course code | Course name                          | Credits | Level | Weeks          | ECV |
|-------------|--------------------------------------|---------|-------|----------------|-----|
| 732G08      | Multivariate Methods                 | 7.5     | G2F   | v201934-201943 | E   |
| 732G12      | Data mining                          | 7.5     | G1F   | v201934-201943 | E   |
| 732G34      | Statistical Methods for complex data | 7.5     | G1F   | v201944-202003 | E   |
| 732G43      | Bayesian Statistics                  | 7.5     | G2F   | v201944-202003 | E   |

## Semester 6 (Spring 2020)

| Course code | Course name                                      | Credits | Level | Weeks          | ECV |
|-------------|--------------------------------------------------|---------|-------|----------------|-----|
| 764G03      | Multivariable calculus                           | 7.5     | G1X   | v202004-202013 | E   |
| 732G32      | Bachelor's Thesis in Statistics, in-depth course | 15      | G2X   | v202004-202023 | C   |

ECV = Elective / Compulsory / Voluntary

\*Kursen läses över flera terminer